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ELIZABETH CITY NORTH CAROLINA LIMITED SURFACE

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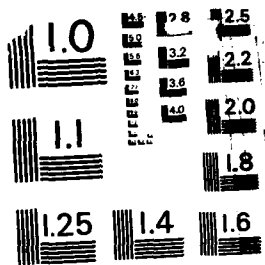
OBSERVATIONS CLIMATIC SUMMA (U) AIR FORCE
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT 8..

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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USNC 746941

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14 MAR 1980

OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)

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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

ELIZABETH CITY NC MSC #746941
N 36 16 W 076 11 ELEV 13 FT KEGB

PARTS A - F HOURS SUMMARIZED: 0600 - 2200

PERIOD OF RECORD:
HOURLY OBSERVATIONS: OCT 77 - SEP 87
SUMMARY OF DAY DATA: SEE TITLE PAGE

MAR 07 1988

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ASHEVILLE, N.C. 28801 - 2723

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REPORT DOCUMENTATION PAGE

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6b. Office Symbol:

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7b. Address: Scott AFB, IL 62225-5458

11 Title: (LISOCS) Elizabeth City NC.

12 Personal Author(s):

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13b Time Covered: Oct 77-Sep 87.

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18 Subject Terms: *climatology *weather meteorological conditions winds precipitation barometric pressure sky cover temperature relative humidity psychrometric data visibility ceiling Limited Surface Observations Climatic Summary(LISOCS); Elizabeth City NC; North Carolina; USNC746941.

19 Abstract: A statistical data summary of surface weather observation climatology: Elizabeth City NC. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

20 Distribution/Availability of Abstract: Same as report.

21 Abstract Security Classification: UNCLASSIFIED.

22a Name of Responsible Individual: Marianne L. Cavanaugh

22b Telephone: (618)256-2625.

22c Office Symbol: USAFETAC/LDD.

DD FORM 1473 UNCLASSIFIED

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: ELIZABETH CITY NC

STATION NUMBER: 746941

SUMMARIZED HOURS: 0600 - 2200 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA (FULL TIME): JAN 49 - MAY 69

SUMMARY OF DAY DATA (TEMPERATURES ONLY): JUN 69 - SEP 87

TIME CONVERSION LST TO GMT: +5

ALL USERS OF THIS LISOCs MUST FAMILIARIZE THEMSELVES WITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWSMC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WHO NUMBER WITH THE ADDITION OF A SUFFIX 10 THROUGH 91. IN CASES WHERE THERE IS NO DESIGNATED WHO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WHO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.



A-1

| STATION NO. OR SUMMARY | | STATION NAME | | LATITUDE | | LONGITUDE | | FIELD ELEV (FT) | | CALL SIGN | | WMO NUMBER | |
|--|--------------------------------|------------------------------------|---------------------|------------------|-----------------|---|---------------------|-----------------|-------------|-----------|--|------------|--|
| 746941 | | ELIZABETH CITY, NORTH CAROLINA | | N 36 16 | | W 076 11 | | 13 Ft | | KECG | | | |
| STATION LOCATION AND INSTRUMENTATION HISTORY | | | | | | | | | | | | | |
| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY | | | | |
| | | | FROM | TO | | | FIELD (FT) | HT BARO. | | | | | |
| 1 | ELIZABETH CITY, NORTH CAROLINA | FAA | OCT 77 | SEP 87 | N 36 16 | W 076 11 | 13 Ft | UKN | 17 | | | | |
| | | | | | | | | | | | | | |
| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE | | | | | | | |
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | | | | | | | | |
| | | N/A | N/A | N/A | N/A | | | | | | | | |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|------------------------------------|------------------------|---------------------|--------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS, AND/OR SLEET (ICE PELLETS).

HAZEL: ALL REPORTED HAZEL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968; AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .2 | 13.6 | .4 | 1.3 | | 14.7 | 38.5 | 21.2 | | | 47.1 | 524 |
| 09-11 | | 11.4 | .3 | 1.9 | | 13.6 | 25.8 | 19.1 | .3 | | 40.2 | 926 |
| 12-14 | | 10.3 | | 1.5 | | 11.8 | 18.0 | 12.4 | .4 | | 29.0 | 923 |
| 15-17 | | 8.6 | .1 | 1.4 | | 10.1 | 16.6 | 12.7 | | | 27.3 | 829 |
| 18-20 | | 9.7 | | 1.3 | | 11.0 | 16.8 | 9.7 | | | 24.3 | 637 |
| 21-23 | | 10.3 | | 1.4 | | 11.7 | 17.9 | 6.3 | | | 21.2 | 429 |
| TOTALS | .0 | 10.6 | .1 | 1.5 | | 12.2 | 22.3 | 13.6 | .1 | | 21.5 | 4268 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | 7.8 | | 1.8 | | 9.5 | 41.2 | 25.2 | .6 | | 51.3 | 503 |
| 09-11 | .1 | 9.2 | .2 | 1.3 | | 10.5 | 25.1 | 21.4 | .6 | | 40.2 | 845 |
| 12-14 | .2 | 9.0 | .4 | 2.7 | | 11.6 | 17.0 | 17.0 | .6 | | 31.0 | 843 |
| 15-17 | .1 | 8.7 | .4 | 1.9 | .1 | 11.1 | 15.2 | 15.1 | .8 | | 29.1 | 781 |
| 18-20 | .3 | 11.8 | .5 | 1.5 | | 13.8 | 17.9 | 13.1 | .2 | | 28.4 | 659 |
| 21-23 | | 11.3 | .5 | 1.6 | | 13.1 | 23.5 | 8.8 | | | 29.6 | 442 |
| TOTALS | .1 | 9.6 | .3 | 1.8 | .1 | 11.6 | 23.3 | 16.6 | .5 | | 34.9 | 4073 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .2 | 10.8 | | .4 | .2 | 11.1 | 33.9 | 29.2 | .2 | | 50.7 | 558 |
| 09-11 | | 9.0 | | .9 | | 9.9 | 16.7 | 23.1 | .3 | | 36.6 | 930 |
| 12-14 | .3 | 9.6 | | 1.0 | | 10.5 | 12.8 | 16.3 | .3 | .5 | 27.6 | 930 |
| 15-17 | .3 | 9.3 | | 1.0 | | 10.1 | 13.7 | 16.6 | .3 | .2 | 28.7 | 860 |
| 18-20 | .8 | 10.4 | | 1.5 | | 11.3 | 15.7 | 13.5 | .4 | | 26.8 | 732 |
| 21-23 | | 10.7 | | .6 | | 11.1 | 19.7 | 8.0 | .6 | | 26.5 | 487 |
| TOTALS | .3 | 10.0 | | .9 | .0 | 10.7 | 18.8 | 17.8 | .4 | .1 | 32.8 | 4497 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | 7.8 | | .3 | | 8.1 | 26.0 | 29.5 | | | 44.0 | 593 |
| 09-11 | .2 | 6.8 | | | | 6.8 | 11.8 | 20.8 | | .2 | 29.8 | 897 |
| 12-14 | 1.1 | 7.5 | | .1 | | 7.5 | 10.7 | 16.9 | | 1.0 | 26.3 | 897 |
| 15-17 | .5 | 7.9 | | | | 7.9 | 8.5 | 16.5 | | 1.7 | 24.4 | 823 |
| 18-20 | 1.0 | 5.5 | | | | 5.5 | 9.5 | 18.6 | | 1.1 | 26.0 | 708 |
| 21-23 | 1.4 | 5.9 | | | | 5.9 | 11.8 | 14.6 | | .9 | 22.4 | 425 |
| TOTALS | .7 | 6.9 | | .1 | | 7.0 | 13.1 | 19.5 | | .8 | 26.8 | 4343 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIR | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 07-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .7 | 5.9 | | | | 5.9 | 36.3 | 42.4 | | | 60.8 | 864 |
| 09-11 | .9 | 5.1 | | | | 5.1 | 10.5 | 32.2 | | | 38.8 | 930 |
| 12-14 | 2.0 | 4.5 | | | | 4.5 | 5.2 | 27.7 | | .2 | 31.5 | 930 |
| 15-17 | 4.1 | 6.7 | | | | 6.7 | 5.2 | 25.6 | | .1 | 29.4 | 790 |
| 18-20 | 3.2 | 6.9 | | | | 6.9 | 9.6 | 27.5 | | | 34.0 | 726 |
| 21-23 | 2.8 | 6.0 | | | | 6.0 | 13.3 | 20.6 | | | 29.4 | 248 |
| TOTALS | 2.3 | 5.9 | | | | 5.9 | 13.4 | 29.3 | | .1 | 37.3 | 4488 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIR | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .2 | 3.1 | | | | 3.1 | 26.5 | 52.3 | | | 60.7 | 801 |
| 09-11 | .3 | 3.2 | | | | 3.2 | 4.7 | 41.3 | | | 43.9 | 900 |
| 12-14 | 1.7 | 3.1 | | | | 3.1 | 2.8 | 39.8 | | | 41.3 | 900 |
| 15-17 | 4.6 | 4.8 | | | | 4.8 | 2.7 | 43.3 | | .4 | 44.4 | 693 |
| 18-20 | 4.4 | 5.4 | | | | 5.4 | 7.4 | 47.5 | | | 50.5 | 592 |
| 21-23 | 5.1 | 5.1 | | | | 5.1 | 11.2 | 34.2 | | | 40.8 | 196 |
| TOTALS | 2.7 | 4.1 | | | | 4.1 | 9.2 | 43.1 | | .1 | 46.9 | 4082 |

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .8 | 2.2 | | | | 2.2 | 36.8 | 60.7 | | | 69.0 | 832 |
| 09-11 | 1.5 | 3.3 | | | | 3.3 | 5.1 | 47.0 | | | 49.4 | 928 |
| 12-14 | 4.7 | 5.1 | | | | 5.1 | 3.8 | 43.3 | | | 45.4 | 928 |
| 15-17 | 7.1 | 5.2 | | | | 5.2 | 3.8 | 47.4 | | | 48.1 | 734 |
| 18-20 | 6.6 | 6.1 | | | | 6.1 | 6.1 | 48.0 | | | 49.8 | 635 |
| 21-23 | 6.0 | 5.5 | | | | 5.5 | 10.1 | 41.3 | | | 45.0 | 218 |
| TOTALS | 4.5 | 4.6 | | | | 4.6 | 11.0 | 48.0 | | | 51.1 | 4275 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG

| HOURS (LST) | TSTMS | RAIN E/OR DRIZZLE | FRZING RAIN E/OR DRIZZLE | SNOW E/OR SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE E/OR HAZE | BLOWING SNOW | DUST E/OR SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | .8 | 3.1 | | | | 3.1 | 45.5 | 56.5 | | | 68.6 | 826 |
| 09-11 | 1.3 | 3.8 | | | | 3.8 | 6.4 | 50.1 | | | 52.7 | 919 |
| 12-14 | 3.4 | 4.1 | | | | 4.1 | 3.3 | 45.8 | | | 47.8 | 922 |
| 15-17 | 8.4 | 5.6 | | | | 5.6 | 3.4 | 46.2 | | | 48.6 | 727 |
| 18-20 | 4.5 | 7.2 | | | | 7.2 | 14.1 | 45.0 | | | 49.4 | 638 |
| 21-23 | 4.1 | 5.1 | | | | 5.1 | 24.4 | 41.9 | | | 47.9 | 217 |
| TOTALS | 3.8 | 4.8 | | | | 4.8 | 16.2 | 47.6 | | | 52.5 | 4249 |

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | .6 | 5.6 | | | 5.6 | 53.5 | 45.6 | | | 69.6 | 805 |
| 09-11 | | | 5.6 | | | 5.6 | 8.8 | 33.4 | | | 39.7 | 895 |
| 12-14 | | .7 | 5.3 | | | 5.3 | 6.3 | 28.1 | | | 33.0 | 898 |
| 15-17 | | 2.1 | 6.1 | | | 6.1 | 6.6 | 29.2 | | | 33.9 | 709 |
| 18-20 | | 2.3 | 6.5 | | | 6.5 | 12.7 | 30.0 | | | 36.3 | 614 |
| 21-23 | | 1.0 | 5.3 | | | 5.3 | 19.9 | 24.8 | | | 35.9 | 206 |
| TOTALS | | 1.1 | 5.7 | | | 5.7 | 18.0 | 31.9 | | | 41.4 | 4127 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | | 6.6 | | | 6.6 | 49.8 | 36.5 | | | 61.3 | 791 |
| 09-11 | | .1 | 6.9 | | | 6.9 | 15.1 | 26.7 | | | 35.8 | 929 |
| 12-14 | | .1 | 5.4 | | | 5.4 | 7.3 | 17.8 | | | 22.4 | 930 |
| 15-17 | | .7 | 6.3 | | | 6.3 | 8.1 | 16.7 | | | 22.4 | 744 |
| 18-20 | | .5 | 5.6 | | | 5.6 | 10.1 | 14.2 | | | 21.6 | 643 |
| 21-23 | | .8 | 6.1 | | | 6.1 | 15.1 | 11.0 | | | 21.6 | 245 |
| TOTALS | | .4 | 6.2 | | | 6.2 | 17.6 | 20.5 | | | 20.9 | 4282 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | 7.2 | | | | 7.2 | 51.2 | 33.0 | | | 60.9 | 512 |
| 09-11 | | 7.7 | | | | 7.7 | 21.2 | 23.7 | | | 38.3 | 900 |
| 12-14 | .2 | 7.9 | | | | 7.9 | 11.4 | 14.6 | | | 24.2 | 900 |
| 15-17 | .1 | 9.4 | | | | 9.4 | 15.1 | 12.5 | | | 24.8 | 807 |
| 18-20 | | 10.6 | | | | 10.6 | 19.2 | 11.7 | | | 27.4 | 625 |
| 21-23 | | 8.4 | | | | 8.4 | 23.3 | 8.4 | | | 29.3 | 417 |
| TOTALS | .1 | 8.5 | | | | 8.5 | 23.6 | 17.3 | | | 34.2 | 4161 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | FAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBST TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | | 10.4 | | | | 10.4 | 36.7 | 19.7 | | | 42.9 | 518 |
| 09-11 | | 9.0 | | .8 | | 9.2 | 22.1 | 19.5 | | | 35.6 | 921 |
| 12-14 | .1 | 9.1 | | .7 | .1 | 9.8 | 15.6 | 10.4 | | | 22.8 | 921 |
| 15-17 | | 10.4 | | | | 10.4 | 15.2 | 8.3 | | | 21.9 | 827 |
| 18-20 | | 11.0 | | .2 | | 11.2 | 17.0 | 4.1 | | | 20.0 | 636 |
| 21-23 | | 9.6 | | | | 9.6 | 16.8 | 4.4 | | | 20.3 | 428 |
| TOTALS | .2 | 9.9 | | .3 | .0 | 10.1 | 20.6 | 11.1 | | | 27.3 | 4251 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL

| HOURS (LST) | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/OBS TO VISION | TOTAL OBS |
|----------------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|--------------------------------|--------------|
| JAN ALL | .0 | 10.6 | .1 | 1.5 | | 12.2 | 22.3 | 13.6 | .1 | | 31.5 | 4268 |
| FEB | .1 | 9.6 | .3 | 1.8 | .0 | 11.6 | 23.3 | 16.8 | .5 | | 34.9 | 4073 |
| MAR | .3 | 10.0 | | .9 | .0 | 10.7 | 18.8 | 17.8 | .4 | .1 | 32.8 | 4497 |
| APR | .7 | 6.9 | | .1 | | 7.0 | 13.1 | 19.5 | | .8 | 28.8 | 4343 |
| MAY | 2.3 | 5.9 | | | | 5.9 | 13.4 | 29.3 | | .1 | 37.3 | 4488 |
| JUN | 2.7 | 4.1 | | | | 4.1 | 9.2 | 43.1 | | .1 | 46.9 | 4082 |
| JUL | 4.5 | 4.6 | | | | 4.6 | 11.0 | 48.0 | | | 51.1 | 4275 |
| AUG | 3.8 | 4.8 | | | | 4.8 | 16.2 | 47.6 | | | 52.5 | 4249 |
| SEP | 1.1 | 5.7 | | | | 5.7 | 18.0 | 31.9 | | | 41.4 | 4127 |
| OCT | .4 | 6.2 | | | | 6.2 | 17.6 | 20.5 | | | 30.9 | 4282 |
| NOV | .1 | 8.5 | | | | 8.5 | 23.6 | 17.3 | | | 34.2 | 4161 |
| DEC | .0 | 9.9 | | .3 | .0 | 10.1 | 20.6 | 11.1 | | | 27.3 | 4251 |
| TOTALS | 1.3 | 7.2 | .0 | .4 | .0 | 7.6 | 17.3 | 26.4 | .1 | .1 | 37.5 | 51096 |

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SEE SUPPLEMENTAL SECTION (SUMMARY OF DAY DATA) FOR THESE SUMMARIES.

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BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | 56-63 | | |
| N | .2 | 1.9 | 6.7 | 4.6 | .8 | | | | | | | 14.1 | 10.3 |
| NNE | | 1.5 | 4.2 | 3.2 | .8 | | | | | | | 9.7 | 10.4 |
| NE | | 1.3 | 2.1 | 1.3 | | | | | | | | 4.8 | 8.8 |
| ENE | | .6 | 1.3 | .8 | .2 | | | | | | | 2.9 | 10.0 |
| E | .2 | 1.0 | .4 | .4 | | | | | | | | 1.9 | 7.1 |
| ESE | | .6 | .4 | | | | | | | | | 1.0 | 7.0 |
| SE | | | .2 | | | | | | | | | .2 | 8.0 |
| SSE | | .2 | .6 | .4 | | | | | | | | 1.1 | 8.8 |
| S | | 2.5 | 1.7 | .6 | | | | | | | | 4.8 | 7.4 |
| SSW | .2 | 1.7 | 1.1 | .6 | | | .2 | | | | | 3.8 | 8.0 |
| SW | | 2.1 | 2.5 | 1.0 | | | | | | | | 5.5 | 7.8 |
| WSW | | .8 | 1.9 | 1.1 | | | | .2 | | | | 4.0 | 10.6 |
| W | .6 | 4.2 | 5.2 | 3.2 | .2 | | | | | | | 13.4 | 8.2 |
| WNW | | 4.4 | 4.8 | 1.3 | | | | | | | | 10.5 | 7.7 |
| NW | | 1.9 | 1.9 | 1.1 | | | | | | | | 5.0 | 8.4 |
| NNW | | 1.3 | 2.3 | 1.5 | | | | | | | | 5.2 | 9.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.2 | //// |
| TOTALS | 1.1 | 26.0 | 37.2 | 21.2 | 1.9 | | .2 | .2 | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS: 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.9 | 7.1 | 5.7 | 1.0 | .1 | | | | | 16.8 | 10.4 |
| NNE | | 1.6 | 4.6 | 4.5 | .6 | .1 | .1 | | | | 11.7 | 11.0 |
| NE | | .6 | 2.1 | 2.3 | .1 | .1 | | | | | 5.2 | 10.6 |
| ENE | | .6 | 1.1 | 1.1 | .1 | | | | | | 2.9 | 9.8 |
| E | | 1.4 | .8 | .4 | | | | | | | 2.6 | 7.1 |
| ESE | | 1.0 | .5 | .1 | | | | | | | 1.6 | 6.7 |
| SE | | .5 | .6 | .1 | | | | | | | 1.3 | 7.5 |
| SSE | | .6 | .4 | .3 | | | | | | | 1.4 | 8.2 |
| S | | .5 | 1.4 | 1.1 | | | | | | | 3.0 | 9.4 |
| SSW | | .6 | 1.7 | 1.0 | .1 | | | | | | 3.5 | 9.1 |
| SW | | 1.1 | 3.3 | 2.3 | | .1 | | .2 | | | 7.0 | 10.8 |
| WSW | | 1.5 | 2.8 | 1.8 | | | | | | | 6.2 | 9.2 |
| W | .1 | 2.4 | 2.5 | 3.7 | .3 | | | | | | 9.0 | 9.7 |
| WNW | | 2.1 | 3.5 | 4.1 | .2 | .1 | | | | | 9.9 | 10.4 |
| NW | | .4 | 1.9 | 2.8 | .1 | | | | | | 5.3 | 11.2 |
| NNW | | 1.0 | 1.9 | 2.5 | .1 | .1 | | | | | 5.6 | 10.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 7.0 | //// |
| TOTALS | .1 | 19.0 | 36.4 | 33.8 | 2.7 | .6 | .1 | .2 | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 4.0 | 4.7 | 6.5 | 1.4 | | | | | | 16.7 | 10.6 |
| NNE | | 1.8 | 2.8 | 2.7 | .4 | | | | | | 7.8 | 10.1 |
| NE | | 1.2 | 2.9 | 3.8 | .2 | | | | | | 8.1 | 10.7 |
| ENE | .2 | 1.2 | 2.0 | 1.3 | | | | | | | 4.7 | 8.7 |
| E | | .4 | 1.1 | .1 | | | | | | | 1.6 | 7.9 |
| ESE | | 1.1 | 1.1 | .1 | | | | | | | 2.3 | 6.8 |
| SE | | .8 | 1.3 | .3 | | | | | | | 2.4 | 8.0 |
| SSE | | .5 | .4 | | .1 | | | | | | 1.1 | 8.1 |
| S | | .9 | 1.7 | 1.0 | .2 | | | | | | 3.8 | 9.3 |
| SSW | | .2 | 1.3 | 1.4 | | | | | | | 2.9 | 9.9 |
| SW | | 1.5 | 2.9 | 3.9 | | .1 | .1 | | | | 8.6 | 10.6 |
| WSW | | .3 | 2.8 | 2.9 | .2 | .1 | | | | | 6.4 | 11.3 |
| W | | .8 | 3.4 | 4.8 | .7 | | | | | | 9.5 | 11.4 |
| WNW | | 2.0 | 3.8 | 3.5 | .3 | .1 | | | | | 9.6 | 10.5 |
| NW | | .5 | 2.1 | 2.2 | .1 | | | | | | 4.9 | 11.0 |
| NNW | | .3 | 1.5 | 3.4 | .3 | .1 | | | | | 5.6 | 12.4 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.0 |
| TOTALS | .3 | 17.6 | 35.8 | 37.8 | 4.0 | .4 | .1 | | | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 1.9 | 3.3 | 5.2 | 1.0 | | | | | | 11.3 | 11.3 |
| NNE | | 1.2 | 3.3 | 2.8 | .2 | | | | | | 7.5 | 10.1 |
| NE | | 1.1 | 3.1 | 2.5 | .5 | | | | | | 7.2 | 10.2 |
| ENE | | 1.0 | 1.3 | 1.8 | | | | | | | 4.1 | 9.9 |
| E | | 1.0 | 2.3 | | | | | | | | 3.3 | 7.3 |
| ESE | | 1.7 | 1.1 | .1 | | | | | | | 2.9 | 6.3 |
| SE | .1 | 1.0 | 1.1 | .4 | | | | | | | 2.5 | 7.7 |
| SSE | | 1.0 | .7 | .5 | .1 | | | | | | 2.3 | 8.5 |
| S | | 1.3 | 1.3 | 1.4 | .1 | | | | | | 4.2 | 9.2 |
| SSW | | .7 | 2.5 | 1.0 | | | | | | | 4.2 | 8.6 |
| SW | | 1.3 | 4.1 | 2.8 | .1 | | | | | | 8.3 | 9.7 |
| WSW | | 1.2 | 2.5 | 2.1 | | .4 | | | | | 6.2 | 10.6 |
| W | | 3.4 | 3.1 | 5.3 | .1 | | | | | | 11.9 | 9.7 |
| WNW | | 1.6 | 4.3 | 3.5 | .1 | | | | | | 9.5 | 9.9 |
| NW | .1 | .7 | 2.8 | 2.4 | .1 | | | | | | 6.2 | 9.8 |
| NNW | | .4 | 1.8 | 2.9 | .2 | | | | | | 5.3 | 11.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 3.0 | //// |
| TOTALS | .2 | 20.4 | 38.7 | 34.6 | 2.7 | .4 | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,87
MONTH: JAN HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 1.9 | 3.8 | 3.1 | .6 | | | | | | | 9.4 | 10.6 |
| NNE | | .6 | 2.8 | 1.3 | .5 | | | | | | | 5.2 | 10.5 |
| NE | | 1.7 | 2.2 | 1.3 | | | | | | | | 5.2 | 8.1 |
| ENE | | 1.4 | 3.5 | 1.6 | .3 | | | | | | | 6.8 | 9.3 |
| E | .2 | 2.4 | 1.3 | .3 | | | | | | | | 4.1 | 6.3 |
| ESE | .2 | 1.3 | .2 | | | | | | | | | 1.6 | 4.9 |
| SE | | 1.7 | .2 | | | | | | | | | 1.4 | 5.0 |
| SSE | | 1.7 | .5 | .5 | .2 | | | | | | | 2.8 | 7.5 |
| S | .2 | 2.8 | 1.7 | 1.6 | .2 | | | | | | | 6.4 | 8.1 |
| SSW | | 1.4 | .8 | .5 | | | | | | | | 2.7 | 7.9 |
| SW | | 3.3 | 1.9 | 1.6 | | | | | | | | 6.8 | 7.6 |
| WSW | | 3.3 | 3.0 | 1.3 | | | | | | | | 7.5 | 7.4 |
| W | .3 | 4.9 | 2.8 | 2.4 | .3 | .2 | | | | | | 10.8 | 8.1 |
| WNW | .2 | 3.0 | 1.9 | 1.3 | .2 | | | | | | | 6.4 | 7.9 |
| NW | .2 | .9 | 2.7 | .9 | | | | | | | | 4.7 | 8.7 |
| NNW | | 1.1 | 2.2 | 2.8 | | | | | | | | 6.1 | 10.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.1 | //// |
| TOTALS | 1.1 | 33.0 | 31.2 | 20.3 | 2.2 | .2 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS.

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,87
MONTH: JAN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 2.1 | 3.5 | 5.4 | .2 | | | | | | | 11.2 | 10.3 |
| NNE | | 1.2 | 2.6 | 2.1 | .2 | | | | | | | 6.1 | 9.8 |
| NE | | 1.4 | 2.3 | .7 | .2 | | .2 | | | | | 4.9 | 9.6 |
| ENE | | 2.1 | 1.4 | .9 | | | | | | | | 4.4 | 7.7 |
| E | | 1.9 | .9 | .2 | | | | | | | | 3.0 | 6.9 |
| ESE | | 1.2 | | | | | | | | | | 1.2 | 4.8 |
| SE | | .7 | .7 | | | | | | | | | 1.4 | 6.2 |
| SSE | | .5 | .7 | .2 | | | | | | | | 1.4 | 7.8 |
| S | .2 | 2.6 | .5 | 2.1 | | | | | | | | 5.4 | 8.0 |
| SSW | | .7 | .5 | 1.4 | | | | | | | | 2.6 | 10.8 |
| SW | | 2.3 | 2.6 | 1.6 | | | | | | | | 6.5 | 8.4 |
| WSW | | 2.6 | 4.2 | 1.4 | | | | | | | | 8.2 | 8.2 |
| W | | 4.9 | 2.6 | 3.3 | | | | | | | | 10.7 | 8.0 |
| WNW | | 3.3 | 1.2 | 2.3 | .5 | | | | | | | 7.2 | 9.1 |
| NW | | .9 | 1.6 | .7 | | | | | | | | 3.3 | 8.9 |
| NNW | | .2 | 1.9 | 1.9 | | | | | | | | 4.0 | 10.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 18.5 | //// |
| TOTALS | .2 | 28.5 | 27.1 | 24.3 | 1.2 | | .2 | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .0 | 2.6 | 4.9 | 5.2 | .9 | .0 | | | | | 13.7 | 10.6 |
| NNE | | 1.4 | 3.4 | 2.9 | .5 | .0 | .0 | | | | 8.2 | 10.4 |
| NE | | 1.2 | 2.5 | 2.2 | .2 | .0 | .0 | | | | 6.1 | 10.0 |
| ENE | .0 | 1.1 | 1.7 | 1.3 | .1 | | | | | | 4.2 | 9.2 |
| E | .0 | 1.2 | 1.2 | .2 | | | | | | | 2.7 | 7.1 |
| ESE | .0 | 1.1 | .6 | .1 | | | | | | | 1.9 | 6.3 |
| SE | .0 | .7 | .7 | .2 | | | | | | | 1.7 | 7.3 |
| SSE | | .8 | .5 | .3 | .1 | | | | | | 1.7 | 8.1 |
| S | .0 | 1.5 | 1.5 | 1.2 | .1 | | | | | | 4.4 | 8.6 |
| SSW | .0 | .8 | 1.5 | 1.0 | .0 | | .0 | | | | 3.3 | 9.0 |
| SW | | 1.8 | 3.0 | 2.4 | .0 | .0 | .0 | .0 | | | 7.3 | 9.6 |
| WSW | | 1.5 | 2.8 | 1.9 | .0 | .1 | | .0 | | | 6.4 | 9.6 |
| W | .1 | 3.1 | 3.2 | 3.9 | .3 | .0 | | | | | 10.7 | 9.4 |
| WNW | .0 | 2.5 | 3.4 | 2.9 | .2 | .0 | | | | | 9.1 | 9.6 |
| NW | .0 | .8 | 2.2 | 1.9 | .1 | | | | | | 5.0 | 10.0 |
| NNW | | .7 | 1.9 | 2.6 | .1 | .0 | | | | | 5.4 | 10.9 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.1 |
| TOTALS | .5 | 22.8 | 35.1 | 30.3 | 2.6 | .3 | .1 | .1 | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 4267

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(1ST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 3.0 | 7.4 | 6.6 | 1.0 | .2 | | | | | 18.3 | 10.4 |
| NNE | .2 | 2.2 | 3.4 | 3.0 | 1.0 | | | | | | 9.7 | 10.1 |
| NE | | 1.0 | 2.2 | 1.4 | | | | | | | 4.6 | 8.9 |
| ENE | | 1.0 | 1.0 | 1.0 | .2 | .2 | | | | | 3.4 | 10.4 |
| E | | 2.8 | 1.0 | .6 | | | | | | | 4.4 | 7.0 |
| ESE | | 1.0 | .6 | .2 | | | | | | | 1.8 | 6.6 |
| SE | | .2 | .4 | .4 | | | | | | | 1.0 | 9.4 |
| SSE | | .2 | .6 | .6 | | | | | | | 1.4 | 10.0 |
| S | | .8 | 1.0 | .2 | .2 | | | | | | 2.2 | 8.5 |
| SSW | .2 | 1.2 | 1.2 | .4 | | | | | | | 3.0 | 7.3 |
| SW | .6 | 2.2 | 1.0 | 1.6 | | | | | | | 5.4 | 7.7 |
| WSW | | 1.6 | 1.0 | .2 | | | | | | | 2.8 | 6.8 |
| W | .2 | 3.0 | 3.0 | .6 | | | | | | | 6.8 | 6.9 |
| WNW | | 4.4 | 2.8 | 1.2 | | | | | | | 8.3 | 7.4 |
| NW | .2 | 1.2 | 2.0 | 1.4 | .2 | | | | | | 5.0 | 9.1 |
| NNW | | 2.6 | 4.4 | 2.2 | | | | | | | 9.1 | 9.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 12.9 | //// |
| TOTALS | 1.6 | 28.2 | 32.8 | 21.5 | 2.6 | .4 | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS: 503

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.2 | 8.9 | 8.6 | .8 | | | | | | | 20.7 | 10.8 |
| NNE | .1 | 1.4 | 4.1 | 4.5 | .9 | .2 | | | | | | 11.4 | 11.4 |
| NE | | 1.3 | 4.3 | 1.7 | .1 | | | | | | | 7.3 | 9.3 |
| ENE | .1 | 1.5 | 2.1 | 1.2 | | .4 | | | | | | 5.3 | 9.4 |
| E | | .4 | 1.7 | .7 | | | | | | | | 2.7 | 9.2 |
| ESE | | 1.1 | 1.1 | .6 | | | | | | | | 2.7 | 8.1 |
| SE | | 1.8 | 1.1 | .6 | | | | | | | | 3.4 | 7.4 |
| SSE | | .2 | .8 | .4 | | | | | | | | 1.4 | 6.8 |
| S | | 1.3 | 1.5 | .6 | | | | | | | | 3.4 | 8.1 |
| SSW | | .6 | .9 | 1.1 | | | | | | | | 2.6 | 9.7 |
| SW | | .7 | 1.9 | 2.7 | | | | | | | | 5.3 | 10.6 |
| WSW | .2 | 1.1 | .8 | .9 | .2 | | | | | | | 3.3 | 8.9 |
| W | | 1.8 | 2.6 | 1.4 | .1 | | | | | | | 5.9 | 8.9 |
| WNW | | 2.2 | 3.0 | 2.2 | .1 | | | | | | | 7.6 | 9.3 |
| NW | | 1.3 | 1.9 | 1.5 | .2 | | | | | | | 5.0 | 9.9 |
| NNW | | .6 | 2.5 | 2.1 | .6 | | | | | | | 5.8 | 10.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.0 | //// |
| TOTALS | .6 | 19.5 | 39.2 | 30.9 | 3.2 | .6 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.7 | 5.1 | 7.1 | .7 | .1 | | | | | 15.8 | 10.8 |
| NNE | | 2.0 | 3.6 | 4.9 | .6 | | | | | | 11.0 | 10.7 |
| NE | | 1.3 | 3.6 | 2.4 | | .4 | | | | | 7.6 | 10.2 |
| ENE | | .9 | 4.2 | 2.6 | | | | | | | 7.7 | 9.7 |
| E | | .5 | 1.5 | .5 | | | | | | | 2.5 | 8.5 |
| ESE | | 1.1 | 2.5 | .1 | | | | | | | 3.7 | 7.4 |
| SE | | .9 | 2.1 | .8 | | | | | | | 3.9 | 8.9 |
| SSE | | .4 | .6 | .9 | .1 | | | | | | 2.0 | 10.4 |
| S | | .6 | 1.1 | .5 | | | | | | | 2.1 | 8.9 |
| SSW | | .7 | 1.8 | .8 | | | | | | | 3.3 | 9.5 |
| SW | | .6 | 3.1 | 3.2 | .4 | | | | | | 7.2 | 10.9 |
| WSW | | 1.2 | 1.7 | 1.8 | .5 | | | | | | 5.1 | 10.2 |
| W | | .9 | 3.7 | 2.7 | | | | | | | 7.4 | 9.8 |
| WNW | | 1.5 | 2.3 | 2.1 | | | | | | | 5.9 | 9.4 |
| NW | | .5 | 2.0 | 2.3 | .1 | .2 | | | | | 5.1 | 11.4 |
| NNW | | .9 | 1.8 | 3.3 | .5 | .2 | | | | | 6.8 | 12.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 2.8 | //// |
| TOTALS | | 16.8 | 40.5 | 36.1 | 2.8 | .9 | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 1.4 | 3.2 | 5.9 | .3 | | | | | | | 10.8 | 11.3 |
| NNE | .1 | 1.4 | 3.5 | 4.7 | .3 | | | | | | | 10.0 | 10.7 |
| NE | | 1.4 | 4.0 | 3.5 | .3 | .1 | .1 | | | | | 9.3 | 10.7 |
| ENE | | .9 | 4.5 | 2.3 | | | | | | | | 7.7 | 9.6 |
| E | | 1.0 | 2.6 | .6 | .3 | | | | | | | 4.5 | 9.0 |
| ESE | | 2.0 | 3.1 | .1 | | | | | | | | 5.2 | 7.5 |
| SE | | 1.3 | 2.0 | 1.0 | | | | | | | | 4.4 | 8.5 |
| SSE | | .4 | 1.0 | .3 | | | | | | | | 1.7 | 7.5 |
| S | | 1.7 | 1.5 | 1.8 | | | | | | | | 5.0 | 9.0 |
| SSW | | .8 | 2.2 | 1.0 | | | | | | | | 4.0 | 9.0 |
| SW | | .8 | 2.4 | 1.7 | .1 | | | | | | | 5.0 | 9.9 |
| WSW | | .3 | 1.8 | 2.6 | .1 | | | | | | | 4.7 | 11.2 |
| W | | 2.7 | 2.7 | 2.0 | | | | | | | | 7.4 | 8.6 |
| WNW | | 1.3 | 3.6 | 2.8 | | | | | | | | 7.7 | 10.0 |
| NW | | .4 | 1.5 | 2.2 | .4 | | | | | | | 4.5 | 11.6 |
| NNW | .1 | .4 | 1.4 | 3.2 | .5 | .1 | | | | | | 5.8 | 12.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.4 | //// |
| TOTALS | .3 | 18.1 | 41.0 | 35.7 | 2.2 | .7 | .1 | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 781

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: FEB HOURS(LST): 1800-2400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .9 | 4.3 | 5.3 | .2 | .2 | | | | | | 10.8 | 11.1 |
| NNE | | 1.7 | 2.9 | 3.2 | .3 | .2 | .2 | | | | | 8.4 | 10.8 |
| NE | | 2.6 | 3.8 | 2.9 | .2 | | | | | | | 9.4 | 9.1 |
| ENE | | 1.8 | 3.6 | 2.7 | | .2 | | | | | | 8.4 | 9.5 |
| E | .2 | 2.9 | 2.7 | .6 | .2 | | | | | | | 6.5 | 7.2 |
| ESE | | 2.3 | 1.1 | | | | | | | | | 3.3 | 5.9 |
| SE | | 2.6 | 1.7 | .3 | | | | | | | | 4.6 | 6.6 |
| SSE | .2 | 3.0 | 1.5 | .6 | | | | | | | | 5.3 | 6.9 |
| S | | 2.1 | 2.6 | .9 | | | | | | | | 5.6 | 7.7 |
| SSW | | 1.8 | .8 | .8 | | | | | | | | 3.3 | 7.7 |
| SW | | 1.7 | .8 | 1.1 | | | | | | | | 3.5 | 7.8 |
| WSW | | 1.2 | 1.5 | .2 | | | | | | | | 2.9 | 7.3 |
| W | | 2.6 | 2.0 | 1.1 | | | | | | | | 5.6 | 7.7 |
| WNW | .2 | 2.1 | 2.6 | 1.1 | | | | | | | | 5.9 | 8.3 |
| NW | | .6 | 1.2 | 1.7 | | | | | | | | 3.5 | 10.2 |
| NNW | | 1.1 | 1.8 | 1.4 | | | | | | | | 4.3 | 9.3 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.7 | //// |
| TOTALS | .5 | 31.0 | 34.8 | 23.7 | .8 | .5 | .2 | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS: 658

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: FEB HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.7 | 5.0 | 4.5 | .2 | .9 | | | | | 13.3 | 10.7 |
| NNE | | 3.4 | 4.8 | 3.6 | .2 | .2 | | | | | 12.2 | 9.6 |
| NE | | 2.0 | 2.5 | 3.2 | | | | | | | 7.7 | 9.7 |
| ENE | | .9 | 1.6 | 1.1 | .2 | | | | | | 3.8 | 10.2 |
| E | | 2.0 | 1.1 | .7 | | | | | | | 3.8 | 7.1 |
| ESE | | 1.4 | .7 | | | | | | | | 2.0 | 6.2 |
| SE | | 1.1 | 1.1 | | | | | | | | 2.3 | 6.4 |
| SSE | .2 | 2.5 | 1.4 | .2 | | | | | | | 4.3 | 6.2 |
| S | .2 | 4.1 | 2.0 | 1.6 | | | | | | | 7.9 | 7.9 |
| SSW | | 1.6 | 2.3 | .2 | | | | | | | 4.1 | 7.1 |
| SW | | 2.5 | 1.1 | 1.1 | | | | | | | 4.8 | 7.6 |
| WSW | | 1.8 | .9 | | | | | | | | 2.7 | 6.6 |
| W | .2 | 2.5 | 1.1 | .2 | | | | | | | 4.1 | 6.4 |
| WNW | | 1.6 | 3.6 | 1.6 | | | | | | | 6.8 | 8.8 |
| NW | | 1.6 | .9 | .7 | .2 | | | | | | 3.4 | 8.9 |
| NNW | | .7 | 2.0 | 1.4 | | | | | | | 4.1 | 9.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.7 |
| TOTALS | .7 | 32.4 | 32.1 | 20.1 | .9 | 1.1 | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 442

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .0 | 2.1 | 5.6 | 6.6 | .5 | .2 | | | | | 15.1 | 10.8 |
| NNE | .1 | 1.9 | 3.7 | 4.1 | .6 | .1 | .0 | | | | 10.4 | 10.7 |
| NE | | 1.6 | 3.5 | 2.5 | .1 | .1 | .0 | | | | 7.8 | 9.8 |
| ENE | .0 | 1.2 | 3.0 | 1.9 | .0 | .1 | | | | | 6.4 | 9.7 |
| E | .0 | 1.4 | 1.8 | .6 | .1 | | | | | | 4.0 | 8.0 |
| ESE | | 1.5 | 1.6 | .2 | | | | | | | 3.3 | 7.2 |
| SE | | 1.4 | 1.5 | .6 | | | | | | | 3.5 | 7.9 |
| SSE | .0 | 1.0 | 1.0 | .5 | .0 | | | | | | 2.5 | 7.9 |
| S | .0 | 1.6 | 1.6 | .9 | .0 | | | | | | 4.2 | 8.3 |
| SSW | .0 | 1.0 | 1.5 | .8 | | | | | | | 3.3 | 8.6 |
| SW | .1 | 1.2 | 1.9 | 2.0 | .1 | | | | | | 5.3 | 9.6 |
| WSW | .0 | 1.1 | 1.3 | 1.1 | .2 | | | | | | 3.8 | 9.3 |
| W | .0 | 2.1 | 2.6 | 1.5 | .0 | | | | | | 6.4 | 8.4 |
| WNW | .0 | 2.1 | 2.9 | 1.9 | .0 | | | | | | 7.0 | 9.0 |
| NW | .0 | .9 | 1.6 | 1.7 | .2 | .0 | | | | | 4.5 | 10.4 |
| NNW | .0 | 1.0 | 2.2 | 2.4 | .3 | .1 | | | | | 6.0 | 10.7 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 6.7 | //// |
| TOTALS | .5 | 23.0 | 37.5 | 29.4 | 2.2 | .6 | .0 | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS: 4072

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.2 | 3.4 | 5.0 | .7 | | | | | | 11.3 | 10.7 |
| NNE | | 1.3 | 2.9 | 3.0 | .4 | .4 | | | | | 7.9 | 10.7 |
| NE | | 1.3 | 2.7 | 5.0 | .2 | | | | | | 9.1 | 11.1 |
| ENE | .2 | .5 | 2.2 | 1.3 | .2 | | | | | | 4.3 | 9.9 |
| E | | 1.1 | 1.1 | .7 | | | | | | | 2.9 | 8.3 |
| ESE | | 1.3 | .9 | .2 | | | | | | | 2.3 | 6.8 |
| SE | | .5 | | .7 | | | | | | | 1.3 | 10.0 |
| SSE | | .7 | .7 | .7 | .2 | | | | | | 2.3 | 9.3 |
| S | | 2.0 | 2.3 | 1.4 | .4 | | | | | | 6.1 | 9.0 |
| SSW | | .7 | 2.9 | .9 | | | | | | | 4.5 | 8.7 |
| SW | .2 | 2.7 | 2.9 | 1.3 | .2 | | | | | | 7.2 | 7.9 |
| WSW | | 1.1 | 2.5 | 1.8 | .2 | | | | | | 5.6 | 9.8 |
| W | | 2.9 | 4.3 | 1.8 | .2 | | | | | | 9.1 | 8.3 |
| WNW | .2 | 4.1 | 3.6 | 1.3 | .2 | | | | | | 9.3 | 7.6 |
| NW | | 2.0 | 1.1 | 1.3 | .2 | | | | | | 4.5 | 8.5 |
| NNW | | .5 | 2.2 | 1.4 | .2 | | | | | | 4.3 | 10.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 8.1 | //// |
| TOTALS | .5 | 24.7 | 35.5 | 27.8 | 3.0 | .4 | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS (LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.0 | 4.6 | 7.7 | .5 | | | | | | | 15.1 | 11.0 |
| NNE | .1 | 1.2 | 2.4 | 4.6 | .8 | .3 | | | | | | 9.4 | 11.9 |
| NE | | 1.2 | 3.1 | 4.7 | .3 | | | | | | | 9.4 | 11.1 |
| ENE | .1 | .8 | 2.3 | 3.5 | .2 | | | | | | | 6.9 | 11.0 |
| E | | 1.2 | 1.7 | 1.1 | | | | | | | | 4.0 | 8.6 |
| ESE | | .6 | 1.6 | .6 | | | | | | | | 2.9 | 8.7 |
| SE | | 1.1 | 1.2 | .8 | | | | | | | | 3.0 | 8.3 |
| SSE | | .8 | .9 | .8 | | | | | | | | 2.4 | 9.0 |
| S | | 1.0 | 2.3 | 1.9 | | | | | | | | 5.2 | 9.8 |
| SSW | | .5 | 1.8 | 1.8 | .1 | | | | | | | 4.3 | 10.7 |
| SW | | .2 | 3.0 | 3.9 | .6 | | | | | | | 7.7 | 12.0 |
| WSW | | .4 | 1.8 | 2.6 | .1 | | | | | | | 4.9 | 11.0 |
| W | | 1.6 | 2.7 | 2.8 | | | | | | | | 7.1 | 9.6 |
| WNW | | 1.1 | 2.3 | 2.0 | .1 | | | | | | | 5.5 | 9.9 |
| NW | | .2 | 2.9 | 1.8 | .2 | .1 | | | | | | 5.3 | 11.1 |
| NNW | | .3 | 1.5 | 2.0 | .3 | | | | | | | 4.2 | 11.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.9 | //// |
| TOTALS | .3 | 14.2 | 36.0 | 42.8 | 3.3 | .4 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | 1.3 | 4.4 | 4.2 | .4 | .2 | | | | | | 10.8 | 10.7 |
| NNE | | 1.0 | 2.4 | 3.1 | .5 | .3 | | | | | | 7.3 | 11.7 |
| NE | | 1.6 | 2.3 | 5.1 | .5 | | | | | | | 9.5 | 11.1 |
| ENE | | 1.3 | 4.8 | 2.6 | | | | | | | | 8.7 | 9.6 |
| E | | .9 | 2.6 | 1.5 | | | | | | | | 4.9 | 9.6 |
| ESE | | .5 | 3.7 | .6 | .1 | | | | | | | 4.9 | 9.1 |
| SE | | .5 | 2.3 | 1.8 | .1 | | | | | | | 4.7 | 10.3 |
| SSE | | .5 | 1.1 | 1.3 | | | | | | | | 2.9 | 9.9 |
| S | | .5 | 1.7 | 2.2 | | | | | | | | 4.4 | 10.9 |
| SSW | | .5 | 1.7 | 2.8 | | | | | | | | 5.1 | 11.2 |
| SW | | .6 | 1.8 | 5.6 | .9 | | | | | | | 8.9 | 12.6 |
| WSW | | .8 | 1.3 | 3.1 | .5 | | | | | | | 5.7 | 12.1 |
| W | | .5 | 2.4 | 3.1 | .2 | | | | | | | 6.2 | 10.8 |
| WNW | | .3 | 1.7 | 2.6 | .2 | | | | | | | 4.8 | 11.4 |
| NW | .1 | .3 | 1.7 | 2.5 | .4 | | | | | | | 5.1 | 11.3 |
| NNW | | .3 | 1.1 | 2.2 | .3 | .1 | | | | | | 4.0 | 12.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 2.0 | //// |
| TOTALS | .3 | 11.6 | 36.9 | 44.2 | 4.3 | .6 | | | | | | 107.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .9 | 1.9 | 3.5 | .7 | .2 | .1 | | | | 7.3 | 12.6 |
| NNE | | .5 | 2.3 | 2.9 | .3 | .3 | | | | | 6.4 | 12.2 |
| NE | | .2 | 2.2 | 4.7 | | | | | | | 7.1 | 11.7 |
| ENE | | .5 | 4.2 | 3.6 | .3 | | | | | | 8.6 | 10.6 |
| E | | .6 | 3.8 | 2.2 | | | | | | | 6.6 | 9.5 |
| ESE | | 1.0 | 3.8 | 1.7 | | | | | | | 6.6 | 9.1 |
| SE | | 1.2 | 4.5 | 3.1 | .2 | | | | | | 9.1 | 9.8 |
| SSE | | .5 | 2.0 | .9 | | | | | | | 3.4 | 9.5 |
| S | | .3 | 2.3 | 2.8 | .1 | .1 | | | | | 5.7 | 11.2 |
| SSW | | .2 | 2.6 | 2.6 | | | | | | | 5.3 | 10.8 |
| SW | | .3 | 2.2 | 3.7 | .2 | | | | | | 6.5 | 11.4 |
| WSW | | .1 | 1.6 | 3.1 | .1 | | | | | | 5.0 | 11.8 |
| W | .1 | .6 | 2.8 | 2.2 | .6 | | | | | | 6.3 | 10.5 |
| WNW | | .5 | 3.0 | 3.0 | .2 | | .1 | | | | 6.9 | 11.4 |
| NW | | .2 | 2.0 | 2.0 | .2 | | | | | | 4.4 | 11.5 |
| NNW | | | 1.0 | 2.1 | | | | | | | 3.1 | 11.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 1.6 | //// |
| TOTALS | .1 | 7.7 | 42.3 | 44.2 | 3.1 | .7 | .2 | | | | 107.0 | 10.8 |

TOTAL NUMBER OF OBSERVATIONS: 860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 74-83, 86-87
MONTH: MAR HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .5 | 1.9 | 3.3 | 1.0 | .7 | .3 | | | | 7.7 | 13.7 |
| NNE | | .5 | 1.5 | 2.5 | .4 | .3 | | | | | 5.2 | 12.2 |
| NE | | .8 | 4.0 | 1.9 | .8 | | | | | | 7.5 | 10.8 |
| ENE | .1 | 1.0 | 3.1 | 2.2 | .3 | | | | | | 6.7 | 9.9 |
| E | | 3.4 | 3.7 | 1.5 | .3 | | | | | | 8.9 | 8.2 |
| ESE | .3 | 3.0 | 2.6 | .4 | | | | | | | 6.3 | 6.8 |
| SE | | 3.3 | 4.4 | .4 | | | | | | | 8.1 | 7.1 |
| SSE | .1 | 1.9 | 3.8 | .7 | .1 | | | | | | 6.7 | 8.1 |
| S | | 2.2 | 4.1 | 2.1 | .8 | | | | | | 9.2 | 9.7 |
| SSW | | 1.0 | 2.5 | 2.3 | .1 | .1 | | | | | 6.0 | 10.2 |
| SW | | 1.1 | 2.6 | 2.1 | | | | | | | 5.7 | 9.7 |
| WSW | .1 | .5 | 1.6 | .4 | | | | | | | 2.7 | 8.0 |
| W | | 2.5 | 2.1 | .4 | | | | | | | 4.9 | 7.1 |
| WNW | | 1.8 | 2.6 | 1.0 | .7 | | | | | | 6.0 | 9.4 |
| NW | | .4 | .8 | .7 | | | | | | | 1.9 | 9.6 |
| NNW | | .4 | 1.2 | 1.8 | | | | | | | 3.4 | 11.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 3.7 | //// |
| TOTALS | .7 | 24.4 | 42.5 | 23.5 | 4.5 | 1.1 | .3 | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 79-83,86-87
MONTH: MAR HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | .8 | 2.7 | 2.7 | 1.0 | | | | | | | 7.4 | 11.4 |
| NNE | | 1.6 | 2.7 | .6 | .4 | .2 | | | | | | 5.6 | 9.4 |
| NE | .2 | 2.1 | 2.1 | 1.6 | .4 | | | | | | | 6.4 | 9.3 |
| ENE | | 1.2 | 2.5 | 1.4 | | | | | | | | 5.1 | 8.9 |
| E | .2 | 2.3 | 2.5 | .4 | .4 | | | | | | | 5.9 | 8.1 |
| ESE | | 2.5 | 1.0 | | | | | | | | | 3.5 | 6.4 |
| SE | | 2.1 | .8 | | | | | | | | | 2.9 | 5.8 |
| SSE | .2 | 3.5 | 3.5 | 1.0 | | | | | | | | 8.2 | 6.9 |
| S | | 4.9 | 4.5 | 2.3 | .4 | | | | | | | 12.1 | 8.0 |
| SSW | | .8 | 3.3 | 2.7 | 1.0 | | | | | | | 7.8 | 11.2 |
| SW | | 1.4 | 2.7 | 2.7 | | | | | | | | 6.8 | 9.6 |
| WSW | | .4 | 1.6 | .4 | | | | | | | | 2.5 | 8.3 |
| W | | 2.3 | 2.7 | .4 | | | | | | | | 5.3 | 7.3 |
| WNW | | 1.2 | 2.1 | 1.0 | .2 | | | | | | | 4.5 | 9.1 |
| NW | | | .6 | .6 | | | | | | | | 1.2 | 11.2 |
| NNW | .2 | .2 | 1.0 | 1.6 | .8 | | | | | | | 3.9 | 12.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 10.9 | //// |
| TOTALS | 1.0 | 27.4 | 36.2 | 19.5 | 4.7 | .2 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS: 486

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 1.3 | 3.2 | 4.6 | .7 | .2 | .1 | | | | 10.2 | 11.5 |
| NNE | .0 | 1.0 | 2.3 | 3.0 | .5 | .3 | | | | | 7.1 | 11.6 |
| NE | .0 | 1.1 | 2.7 | 4.0 | .4 | | | | | | 8.3 | 11.0 |
| NNE | .1 | .9 | 3.3 | 2.6 | .2 | | | | | | 7.1 | 10.1 |
| E | .7 | 1.5 | 2.6 | 1.3 | .1 | | | | | | 5.5 | 8.8 |
| ESE | .0 | 1.4 | 2.5 | .7 | .0 | | | | | | 4.6 | 8.2 |
| SE | | 1.4 | 2.4 | 1.3 | .1 | | | | | | 5.1 | 8.8 |
| SSE | .0 | 1.1 | 1.9 | .9 | .0 | | | | | | 4.0 | 8.5 |
| S | | 1.5 | 2.7 | 2.1 | .2 | .0 | | | | | 6.6 | 9.7 |
| SSW | | .6 | 2.3 | 2.2 | .2 | .0 | | | | | 5.3 | 10.6 |
| SW | .0 | .9 | 2.5 | 3.4 | .4 | | | | | | 7.3 | 11.0 |
| WSW | .0 | .5 | 1.7 | 2.1 | .2 | | | | | | 4.6 | 10.8 |
| W | .0 | 1.6 | 2.7 | 2.0 | .2 | | | | | | 6.5 | 9.3 |
| WNW | .0 | 1.3 | 2.5 | 2.0 | .3 | | .0 | | | | 6.1 | 9.9 |
| NW | .0 | .5 | 1.7 | 1.6 | .2 | .0 | | | | | 4.0 | 10.8 |
| NNW | .0 | .3 | 1.3 | 1.9 | .2 | .0 | | | | | 3.8 | 11.4 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.0 | //// |
| TOTALS | .4 | 16.8 | 38.4 | 35.8 | 3.8 | .6 | .1 | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 4475

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .8 | 3.4 | 4.0 | 1.5 | .2 | | | | | 9.9 | 12.0 |
| NNE | | 1.3 | 1.2 | 2.2 | .3 | .3 | | | | | 5.4 | 11.2 |
| NE | | .7 | 1.2 | 2.5 | .3 | | | | | | 4.7 | 11.1 |
| ENE | .2 | .7 | 2.2 | 1.2 | .3 | | | | | | 4.6 | 10.1 |
| E | | 1.0 | .8 | .2 | | | | | | | 2.0 | 7.0 |
| ESE | | 1.2 | 1.9 | .3 | | | | | | | 3.4 | 7.8 |
| SE | | 1.9 | .8 | .3 | | | | | | | 3.0 | 6.7 |
| SSE | .2 | .8 | 1.7 | .2 | | | | | | | 2.9 | 7.3 |
| S | .2 | 3.5 | 3.2 | .5 | | .2 | | | | | 7.6 | 7.2 |
| SSW | .3 | 1.5 | 2.0 | 2.0 | | | | | | | 5.9 | 8.6 |
| SW | | 1.3 | 3.9 | 2.7 | | | | | | | 7.9 | 9.6 |
| WSW | .2 | 1.0 | 4.4 | 1.9 | .3 | | | | | | 7.8 | 9.7 |
| W | | 2.2 | 3.9 | 2.4 | .2 | | | | | | 8.6 | 8.9 |
| WNW | | 2.5 | 3.5 | 1.3 | .2 | | | | | | 7.6 | 8.2 |
| NW | | 1.2 | 2.7 | .7 | | | | | | | 4.6 | 8.9 |
| NNW | | .5 | 1.5 | .8 | .2 | | | | | | 3.0 | 9.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 11.1 | //// |
| TOTALS | 14.7 | 22.3 | 38.3 | 23.7 | 3.4 | .7 | | | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS: 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | | 1.2 | 4.1 | 3.7 | .4 | | | 9.5 | 10.8 |
| NNE | | 1.1 | 2.0 | 2.7 | .8 | | | 6.6 | 11.0 |
| NE | | 1.0 | 1.8 | 2.6 | .2 | | | 5.6 | 10.3 |
| ENE | | 1.0 | 1.4 | 2.5 | .2 | .1 | | 5.2 | 10.8 |
| E | | .7 | 2.5 | 1.4 | | | | 4.6 | 9.5 |
| ESE | .1 | .7 | 1.9 | 1.1 | | | | 3.8 | 9.0 |
| SE | | .6 | 2.5 | 1.8 | .2 | | | 5.0 | 10.3 |
| SSE | | .3 | 1.1 | .6 | | | | 2.0 | 9.2 |
| S | | 1.0 | 2.2 | 1.1 | | | | 4.3 | 8.6 |
| SSW | | .9 | 2.6 | 2.5 | | | | 5.9 | 9.9 |
| SW | | 1.0 | 3.7 | 5.2 | .6 | | | 10.5 | 11.2 |
| WSW | | .8 | 2.3 | 1.3 | .2 | | | 4.7 | 10.0 |
| W | .1 | 1.1 | 4.9 | 3.5 | .9 | | | 10.5 | 10.7 |
| WNW | | 1.8 | 2.5 | 2.6 | .1 | | | 6.9 | 9.5 |
| NW | | .6 | 2.2 | 3.2 | .2 | | | 6.2 | 11.3 |
| NNW | | .7 | 1.7 | 2.7 | | | | 5.0 | 10.5 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | 3.7 | //// |
| TOTALS | .2 | 14.4 | 39.4 | 38.4 | 3.9 | .1 | | 100.0 | 10.0 |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 79-87
MONTH: APR HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | GE 56 | TOTAL | MEAN WIND |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | |
| N | | 1.3 | 3.1 | 3.1 | .6 | .1 | | | | | | 8.2 | 10.8 |
| NNE | | .3 | 1.6 | 2.6 | .6 | | | | | | | 5.0 | 11.9 |
| NE | | 1.1 | 2.6 | 3.2 | .2 | | | | | | | 7.1 | 10.6 |
| ENE | | 1.1 | 2.3 | 2.9 | | .1 | .2 | | | | | 6.7 | 11.0 |
| E | | .6 | 2.9 | 1.2 | | | | | | | | 4.7 | 9.4 |
| ESE | | 1.2 | 2.6 | 2.3 | | | | | | | | 6.1 | 9.5 |
| SE | | 1.1 | 1.7 | 3.2 | .4 | .1 | | | | | | 6.6 | 11.5 |
| SSE | | .4 | .8 | .2 | .1 | | | | | | | 1.6 | 8.9 |
| S | .1 | .8 | 2.8 | 2.0 | .1 | | | | | | | 5.8 | 9.8 |
| SSW | | .4 | 1.7 | 1.9 | .2 | .1 | | | | | | 4.3 | 11.4 |
| SW | | .4 | 2.9 | 6.2 | 1.1 | | | | | | | 10.7 | 12.2 |
| WSW | | .6 | 2.2 | 2.8 | .4 | | | | | | | 6.0 | 11.0 |
| W | | .4 | 3.2 | 3.8 | .4 | .2 | | | | | | 8.1 | 11.3 |
| WNW | | 1.1 | 3.7 | 2.5 | .6 | | | | | | | 7.8 | 10.7 |
| NW | | .3 | 1.3 | 2.6 | .2 | | | | | | | 4.5 | 11.3 |
| NNW | | .3 | 1.2 | 2.8 | .2 | | | | | | | 4.6 | 11.7 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | //////////////////// | | 2.1 | //// |
| TOTALS | .1 | 11.7 | 36.6 | 43.4 | 5.2 | .7 | .2 | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|---------------------|-----|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | 1.6 | 2.9 | .4 | .6 | .1 | | | | 5.8 | 13.8 |
| NNL | | .6 | 1.2 | 2.1 | | | .1 | | | | 4.0 | 11.7 |
| NE | | .2 | 1.3 | 2.2 | .1 | .1 | | | | | 4.0 | 11.8 |
| ENE | | .5 | 2.6 | 3.9 | .1 | .1 | | | | | 7.2 | 11.5 |
| E | | .4 | 2.7 | 3.5 | | | | | | | 6.6 | 10.8 |
| ESE | | 1.0 | 3.0 | 1.8 | .2 | | | | | | 6.1 | 9.7 |
| SE | | 1.3 | 4.9 | 6.0 | | | | | | | 11.8 | 10.7 |
| SSE | | .6 | 1.8 | 1.5 | | | | | | | 3.9 | 9.3 |
| S | | .9 | 2.6 | 3.2 | .4 | | | | | | 6.9 | 10.9 |
| SSW | | .6 | 2.8 | 3.8 | .7 | .1 | | | | | 8.0 | 11.7 |
| SW | | .5 | 1.7 | 3.5 | .6 | | | | | | 6.3 | 11.8 |
| WSW | .1 | .4 | 1.2 | 3.2 | .5 | | | | | | 5.3 | 12.2 |
| W | | .9 | 2.6 | 3.2 | .5 | | | | | | 7.0 | 11.0 |
| WNW | | 1.1 | 3.6 | 3.6 | .6 | .4 | | | | | 9.4 | 11.2 |
| NW | | .4 | 1.6 | 1.3 | | | | | | | 3.3 | 10.3 |
| NNW | | .5 | .7 | 1.9 | .2 | | | | | | 3.4 | 11.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | | | | | | | | | | | 1.0 | //// |
| TOTALS | .1 | 9.6 | 35.8 | 47.5 | 4.4 | 1.3 | .2 | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS: 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: APR HOURS(LST): 1800-2400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .1 | 1.0 | 1.3 | .4 | .4 | .3 | .1 | | | | 3.7 | 15.8 |
| NNE | | .1 | 1.7 | 1.7 | .3 | .3 | | | | | | 4.1 | 12.8 |
| NE | | | 2.3 | 1.4 | .3 | | | | | | | 4.0 | 11.4 |
| ENE | | .4 | 3.1 | 2.8 | .1 | | | | | | | 6.5 | 10.7 |
| E | .1 | 2.4 | 3.4 | 1.3 | | | | | | | | 7.2 | 8.0 |
| ESE | | 2.7 | 4.1 | .6 | .1 | | | | | | | 7.5 | 7.5 |
| SE | | 3.2 | 4.8 | 1.6 | .1 | | | | | | | 9.7 | 8.1 |
| SSE | | 2.7 | 3.7 | 1.6 | | | | | | | | 7.9 | 8.4 |
| S | .1 | 4.0 | 5.9 | 3.1 | .7 | | | | | | | 13.8 | 9.0 |
| SSW | | .6 | 2.7 | 3.1 | .4 | .1 | | | | | | 6.9 | 11.6 |
| SW | | 1.0 | 1.0 | 1.4 | .1 | | | | | | | 3.5 | 9.9 |
| WSW | | .7 | 2.3 | 1.3 | .1 | | | | | | | 4.4 | 9.8 |
| W | | 3.4 | 1.7 | .6 | | | | | | | | 5.6 | 6.7 |
| WNW | | 1.7 | 2.8 | 1.6 | | | | | | | | 6.1 | 8.9 |
| NW | | .3 | 1.6 | 1.0 | .3 | .1 | | | | | | 3.2 | 11.7 |
| NNW | | .4 | 1.1 | .7 | | | | | | | | 2.3 | 9.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.5 | //// |
| TOTALS | .7 | 23.7 | 43.1 | 24.9 | 3.1 | 1.0 | .3 | .1 | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 708

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: APR HOURS (LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .5 | .7 | 2.6 | .2 | .2 | | .2 | | | 4.5 | 13.5 |
| NNE | | .7 | 1.4 | 1.9 | | | | | | | 4.0 | 10.3 |
| NE | | .7 | 1.4 | 1.2 | | | | | | | 3.3 | 9.2 |
| ENE | .2 | 2.1 | 3.1 | .9 | .5 | | | | | | 6.8 | 8.6 |
| E | | 3.3 | 1.9 | .5 | | | | | | | 5.7 | 6.8 |
| ESE | | 1.9 | 2.1 | .9 | | | | | | | 5.0 | 7.6 |
| SE | | 2.8 | 2.1 | .2 | | | | | | | 5.2 | 6.6 |
| SSE | | 4.7 | 1.9 | .7 | | | | | | | 7.3 | 6.6 |
| S | .5 | 6.4 | 5.2 | 2.4 | .5 | | | | | | 14.9 | 7.8 |
| SSW | .2 | 1.7 | 3.3 | 5.2 | | | | | | | 10.4 | 10.2 |
| SW | | 1.2 | 3.3 | 3.5 | .2 | | | | | | 8.3 | 10.5 |
| WSW | | 1.2 | 2.4 | .9 | | | | | | | 4.5 | 8.4 |
| W | | .9 | 2.1 | .7 | | | | | | | 3.8 | 8.5 |
| WNW | | 1.7 | 1.4 | .2 | .2 | | | | | | 3.5 | 8.1 |
| NW | | .2 | .9 | .9 | .2 | | | | | | 2.4 | 11.7 |
| NNW | | .7 | 1.2 | 1.2 | .2 | | | | | | 3.3 | 10.4 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 7.3 | //// |
| TOTALS | .9 | 30.7 | 34.4 | 24.1 | 2.1 | .2 | | .2 | | | 100.0 | 8.2 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .8 | 2.5 | 3.0 | .6 | .3 | .1 | .0 | | | 7.2 | 12.1 |
| NNE | | .7 | 1.5 | 2.2 | .4 | .1 | .0 | | | | 5.0 | 11.5 |
| NE | | .6 | 1.8 | 2.3 | .2 | .0 | | | | | 5.0 | 10.8 |
| ENE | .0 | .9 | 2.4 | 2.6 | .2 | .1 | .0 | | | | 6.2 | 10.7 |
| E | .0 | 1.2 | 2.5 | 1.5 | | | | | | | 5.2 | 9.0 |
| ESE | .0 | 1.4 | 2.6 | 1.3 | .1 | | | | | | 5.4 | 8.7 |
| SE | | 1.6 | 2.9 | 2.5 | .2 | .0 | | | | | 7.1 | 9.7 |
| SSE | .0 | 1.3 | 1.8 | .8 | .0 | | | | | | 3.9 | 8.3 |
| S | .1 | 2.3 | 3.4 | 2.0 | .3 | .0 | | | | | 8.2 | 8.9 |
| SSW | .1 | .9 | 2.4 | 2.9 | .3 | .1 | | | | | 6.6 | 10.7 |
| SW | | .9 | 2.7 | 4.0 | .5 | | | | | | 8.0 | 11.2 |
| WSW | .0 | .7 | 2.4 | 2.0 | .3 | | | | | | 5.4 | 10.4 |
| W | .0 | 1.4 | 3.2 | 2.6 | .4 | .0 | | | | | 7.6 | 10.0 |
| WNW | | 1.6 | 3.0 | 2.2 | .3 | .1 | | | | | 7.2 | 9.9 |
| NW | | .5 | 1.8 | 1.8 | .2 | .0 | | | | | 4.2 | 10.8 |
| NNW | | .5 | 1.2 | 1.8 | .1 | | | | | | 3.7 | 10.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.2 | //// |
| TOTALS | .4 | 17.1 | 38.1 | 35.5 | 3.9 | .7 | .1 | .0 | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 4342

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 74-87
MONTH: MAY HOURS (LST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 2.0 | 3.6 | 2.2 | .1 | | | | | | | 7.9 | 9.3 |
| NNE | | 1.4 | 2.5 | 2.5 | .2 | | | | | | | 6.7 | 10.0 |
| NE | .1 | 1.4 | 1.7 | 1.4 | .1 | | | | | | | 4.8 | 9.1 |
| ENE | | 1.2 | 2.7 | .9 | | | | | | | | 4.8 | 8.5 |
| E | .1 | 2.0 | 1.6 | .2 | | | | | | | | 3.9 | 7.1 |
| ESE | .1 | .1 | 1.2 | .3 | | | | | | | | 1.7 | 8.1 |
| SE | | .7 | .2 | | | | | | | | | .9 | 5.6 |
| SSE | | 1.0 | .6 | .1 | | | | | | | | 1.7 | 6.5 |
| S | | 3.5 | 2.8 | .8 | | | | | | | | 7.1 | 7.3 |
| SSW | | 1.6 | 3.4 | 1.0 | | | | | | | | 6.0 | 8.4 |
| SW | .1 | 4.3 | 3.9 | 3.1 | .1 | | | | | | | 11.6 | 8.5 |
| WSW | .1 | 2.5 | 5.8 | 3.1 | | | | | | | | 11.6 | 8.7 |
| W | .1 | 2.0 | 4.1 | .9 | | | | | | | | 7.1 | 7.9 |
| WNW | | 2.3 | 1.4 | .1 | | | | | | | | 3.8 | 6.3 |
| NW | | 1.7 | 2.0 | | .1 | | | | | | | 3.8 | 7.5 |
| NNW | | .6 | 2.4 | 1.0 | | | | | | | | 4.1 | 8.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.5 | //// |
| TOTALS | .7 | 28.3 | 39.9 | 18.0 | .7 | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 863

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(IST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 2.9 | 3.5 | 4.7 | .1 | | | | | | 11.5 | 9.6 |
| NNE | | 1.2 | 1.9 | 2.8 | .1 | | | | | | 6.0 | 10.2 |
| NE | .1 | 1.5 | 1.8 | 3.7 | | | | | | | 7.1 | 10.0 |
| ENE | | .9 | 1.6 | 2.8 | | | | | | | 5.3 | 10.9 |
| E | | 1.3 | 3.5 | .8 | | | | | | | 5.6 | 8.2 |
| ESE | | .8 | 1.6 | .4 | | | | | | | 2.8 | 8.4 |
| SE | | .4 | 1.3 | .4 | | | | | | | 2.2 | 8.7 |
| SSE | | .4 | 1.5 | .4 | | | | | | | 2.4 | 8.5 |
| S | | 2.6 | 2.3 | 1.2 | | | | | | | 6.0 | 8.0 |
| SSW | | 1.3 | 2.6 | 1.9 | | | | | | | 5.8 | 9.3 |
| SW | .1 | 1.9 | 5.6 | 5.5 | .1 | | | | | | 13.2 | 10.2 |
| WSW | .1 | 2.2 | 3.9 | 4.6 | | | | | | | 10.8 | 9.7 |
| W | | 2.0 | 3.9 | 1.9 | | | | | | | 7.8 | 8.5 |
| WNW | | 1.7 | 2.6 | .2 | | | | | | | 4.5 | 7.3 |
| NW | | .5 | 1.3 | .1 | | | | | | | 1.9 | 7.4 |
| NNW | | .8 | .5 | 1.3 | | | | | | | 2.6 | 10.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.5 | //// |
| TOTALS | .5 | 22.4 | 39.5 | 32.8 | .3 | | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 79-87
MONTH: MAY HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .4 | 4.0 | 4.3 | | | | | | | 8.7 | 10.7 |
| NNE | .1 | .6 | 1.7 | 3.0 | | | | | | | 5.5 | 10.6 |
| NE | | 1.4 | 1.8 | 3.2 | .1 | | | | | | 6.6 | 10.1 |
| ENE | | .6 | 2.3 | 2.2 | .3 | | | | | | 5.4 | 10.7 |
| E | | 1.1 | 2.9 | 1.9 | | | | | | | 5.9 | 9.6 |
| ESE | .2 | 1.2 | 3.4 | 1.5 | | | | | | | 6.3 | 8.8 |
| SE | | 1.2 | 2.8 | 1.6 | | | | | | | 5.6 | 9.2 |
| SSE | | 1.3 | 1.7 | .8 | | | | | | | 3.8 | 8.3 |
| S | .1 | 1.0 | 2.9 | 2.3 | | | | | | | 6.2 | 9.7 |
| SSW | | .6 | 5.1 | 3.0 | .1 | | | | | | 8.8 | 10.1 |
| SW | | 1.9 | 5.4 | 5.4 | .1 | | | | | | 12.8 | 10.4 |
| WSW | | 1.1 | 4.2 | 3.2 | .1 | | | | | | 8.6 | 10.2 |
| W | | 1.4 | 2.9 | 1.9 | .3 | | | | | | 6.6 | 9.8 |
| WNW | | .6 | 1.7 | .6 | | | | | | | 3.0 | 8.9 |
| NW | | .1 | .5 | .2 | | | | | | | .9 | 9.9 |
| NNW | | .5 | 1.7 | .6 | | | | | | | 2.9 | 9.2 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.5 |
| TOTALS | .4 | 15.2 | 45.1 | 35.8 | 1.1 | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | .5 | 2.8 | 3.9 | .3 | | | | | | 7.6 | 11.1 |
| NNE | | .1 | 1.5 | 1.5 | | .3 | | | | | 3.4 | 11.9 |
| NE | | .5 | 1.4 | 2.7 | .4 | | | | | | 4.9 | 11.6 |
| ENE | .1 | .8 | 4.4 | 3.7 | .1 | | | | | | 9.1 | 10.4 |
| E | | .9 | 4.4 | 1.5 | | | | | | | 6.8 | 9.3 |
| ESE | | .6 | 3.2 | 1.8 | | | | | | | 5.6 | 9.4 |
| SE | | .6 | 4.8 | 2.7 | | | | | | | 8.1 | 9.8 |
| SSE | | .8 | 3.7 | 2.9 | .1 | | | | | | 7.5 | 10.2 |
| S | | 1.3 | 5.1 | 4.6 | .1 | | | | | | 11.0 | 10.2 |
| SSW | | 1.5 | 3.9 | 3.7 | .4 | | | | | | 9.5 | 10.5 |
| SW | | 1.0 | 4.1 | 4.8 | | | | | | | 9.9 | 10.6 |
| WSW | | .5 | 3.4 | 1.8 | .1 | | | | | | 5.8 | 9.8 |
| W | | .9 | 2.7 | 1.5 | | | | | | | 5.1 | 9.7 |
| WNW | .1 | .4 | 1.0 | .3 | | | | | | | 1.8 | 7.8 |
| NW | | | 1.0 | | | | | | | | 1.0 | 8.5 |
| NNW | | .3 | .8 | .6 | | | | | | | 1.6 | 10.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 1.3 | //// |
| TOTALS | .4 | 10.6 | 48.1 | 37.8 | 1.5 | .3 | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS: 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: MAY HOURS(IST): 1800-2400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .8 | 1.5 | .4 | .6 | | | | | | 3.3 | 9.9 |
| NNE | | .7 | 2.1 | 2.1 | .3 | | | | | | 5.1 | 10.6 |
| NE | | .7 | 2.1 | 2.2 | .3 | | | | | | 5.2 | 11.0 |
| NNE | | 1.0 | 3.7 | 1.9 | | | | | | | 6.6 | 9.3 |
| E | | 2.9 | 4.3 | 1.1 | | | | | | | 8.3 | 7.9 |
| ESE | | 5.1 | 3.2 | .1 | | | | | | | 8.4 | 6.6 |
| SE | | 2.3 | 2.5 | .3 | | | | | | | 5.1 | 7.4 |
| SSE | .3 | 4.1 | 5.0 | .4 | | | | | | | 9.8 | 7.1 |
| S | | 5.1 | 9.1 | 4.8 | | | | | | | 19.1 | 9.0 |
| SSW | | 1.7 | 5.6 | 2.1 | .1 | | | | | | 9.5 | 9.2 |
| SW | | 3.0 | 2.8 | .7 | | | | | | | 6.5 | 7.5 |
| WSW | | 1.7 | 1.7 | | | | | | | | 3.3 | 6.5 |
| W | | .7 | 1.0 | .1 | | | | | | | 1.8 | 7.7 |
| WNW | | .8 | | | | | | | | | .8 | 5.8 |
| NW | | .6 | .4 | | | | | | | | 1.0 | 6.4 |
| NNW | | .3 | 1.1 | .3 | .1 | | | | | | 1.8 | 9.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.5 | //// |
| TOTALS | .3 | 31.4 | 45.9 | 16.5 | 1.4 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: MAY HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .8 | .4 | .4 | | | .4 | | | | 2.0 | 12.0 |
| NNE | | .4 | 2.4 | 1.2 | | | | | | | 4.0 | 9.9 |
| NE | | .4 | 2.4 | .4 | | | | | | | 3.2 | 8.6 |
| ENE | | 1.2 | 2.8 | 1.2 | | | | | | | 5.2 | 8.5 |
| E | .4 | 3.6 | 3.2 | | | | | | | | 7.3 | 6.3 |
| ESE | .4 | 5.2 | 1.6 | | | | | | | | 7.3 | 5.6 |
| SE | | 4.0 | | .4 | | | | | | | 4.4 | 6.0 |
| SSE | .8 | 5.6 | 1.2 | .4 | | | | | | | 8.1 | 5.7 |
| S | | 5.2 | 11.7 | 2.4 | .4 | | | | | | 19.8 | 8.4 |
| SSW | | 2.0 | 4.8 | 4.4 | .4 | | | | | | 11.7 | 9.9 |
| SW | | 2.4 | 2.0 | 1.2 | | | | | | | 5.6 | 8.1 |
| WSW | | 1.6 | .8 | | | | | | | | 2.4 | 5.8 |
| W | | 1.2 | .8 | | | | | | | | 2.0 | 6.0 |
| WNW | .4 | | | .4 | | | | | | | .8 | 9.0 |
| NW | | 1.2 | | | | | | | | | 1.2 | 5.3 |
| NNW | | 1.2 | .4 | .4 | .4 | | | | | | 2.8 | 9.9 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 12.1 | //// |
| TOTALS | 2.0 | 36.3 | 34.7 | 13.3 | 1.2 | | .4 | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 248

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 1.3 | 3.0 | 3.1 | .2 | | .0 | | | | 7.7 | 10.1 |
| NNE | .0 | .8 | 2.0 | 2.4 | .1 | .0 | | | | | 5.3 | 10.5 |
| NE | .0 | 1.1 | 1.8 | 2.5 | .2 | | | | | | 5.6 | 10.2 |
| ENE | .0 | .9 | 2.9 | 2.2 | .1 | | | | | | 6.1 | 10.0 |
| E | .0 | 1.7 | 3.3 | 1.0 | | | | | | | 6.1 | 8.4 |
| ESE | .1 | 1.6 | 2.4 | .8 | | | | | | | 5.0 | 8.0 |
| SE | | 1.2 | 2.1 | 1.0 | | | | | | | 4.3 | 8.7 |
| SSE | .1 | 1.7 | 2.3 | .9 | .0 | | | | | | 4.9 | 8.1 |
| S | .7 | 2.7 | 4.6 | 2.6 | .0 | | | | | | 10.0 | 8.9 |
| SSW | | 1.4 | 4.1 | 2.5 | .1 | | | | | | 8.0 | 9.6 |
| SW | .0 | 2.4 | 4.3 | 3.9 | .1 | | | | | | 10.7 | 9.6 |
| WSW | .0 | 1.6 | 3.7 | 2.5 | .0 | | | | | | 7.9 | 9.3 |
| W | .0 | 1.4 | 2.9 | 1.3 | .1 | | | | | | 5.6 | 8.8 |
| WNW | .0 | 1.1 | 1.3 | .3 | | | | | | | 2.8 | 7.4 |
| NW | | .6 | 1.0 | .1 | .0 | | | | | | 1.7 | 7.7 |
| NNW | | .5 | 1.3 | .8 | .0 | | | | | | 2.7 | 9.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.5 | //// |
| TOTALS | .6 | 22.2 | 43.0 | 27.7 | 1.0 | .0 | .0 | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS: 4487

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: JUN HOURS(LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .9 | 4.2 | 1.5 | .1 | | | | | | 6.7 | 9.4 |
| NNE | | 1.2 | 2.9 | 1.9 | | | | | | | 6.0 | 9.0 |
| NE | | 1.6 | 2.9 | 1.4 | | | | | | | 5.9 | 8.7 |
| ENE | | 1.4 | 2.0 | .9 | | | | | | | 4.2 | 8.2 |
| E | | 2.1 | 2.1 | .4 | | | | | | | 4.6 | 7.5 |
| ESE | | 1.6 | .6 | | | | | | | | 2.2 | 6.3 |
| SE | | .4 | .6 | .2 | | | | | | | 1.2 | 7.7 |
| SSE | .1 | .7 | .5 | | | | | | | | 1.4 | 6.2 |
| S | .2 | 3.7 | 1.5 | .1 | | | | | | | 5.6 | 5.8 |
| SSW | .1 | 1.7 | 2.1 | .2 | | | | | | | 4.2 | 7.3 |
| SW | | 3.6 | 5.2 | 3.6 | .1 | | | | | | 12.6 | 9.0 |
| WSW | .1 | 2.4 | 8.4 | 4.2 | | | | | | | 15.1 | 9.3 |
| W | | 2.1 | 3.5 | 1.0 | | | | | | | 6.6 | 8.1 |
| WNW | .4 | 3.1 | 1.2 | .1 | | | | | | | 4.9 | 5.9 |
| NW | | 1.4 | 1.0 | | | | | | | | 2.4 | 6.5 |
| NNW | .1 | 1.0 | 1.5 | | | | | | | | 2.6 | 6.7 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 13.6 | //// |
| TOTALS | 1.1 | 29.1 | 40.3 | 15.6 | .2 | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 3.1 | 4.3 | 1.7 | | | | | | | | 9.2 | 8.0 |
| NNE | | 2.6 | 2.4 | 2.1 | | | | | | | | 7.1 | 8.6 |
| NE | | 1.6 | 3.1 | 2.4 | .1 | | | | | | | 7.2 | 9.5 |
| ENE | | .9 | 4.2 | 1.9 | | | | | | | | 7.0 | 9.6 |
| E | | 1.4 | 3.3 | 1.4 | | | | | | | | 6.2 | 8.9 |
| ESE | | .8 | 1.7 | .6 | | | | | | | | 3.0 | 8.2 |
| SE | .1 | .2 | 2.0 | .6 | | | | | | | | 2.9 | 9.2 |
| SSE | | .3 | 1.6 | .2 | | | | | | | | 2.1 | 7.9 |
| S | | 1.7 | 1.8 | .3 | | | | | | | | 3.8 | 7.3 |
| SSW | | 1.9 | 2.9 | 1.2 | | | | | | | | 6.0 | 8.1 |
| SW | | 1.3 | 6.3 | 5.7 | | | | | | | | 13.3 | 10.0 |
| WSW | .1 | 1.8 | 4.3 | 6.3 | | | | | | | | 12.6 | 10.3 |
| W | | 1.8 | 5.7 | 1.4 | | | | | | | | 8.9 | 8.5 |
| WNW | | 1.2 | 1.6 | .7 | | | | | | | | 3.4 | 8.4 |
| NW | | .3 | 1.4 | .2 | | | | | | | | 2.0 | 8.8 |
| NNW | | .3 | .4 | .1 | | | | | | | | .9 | 7.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.3 | //// |
| TOTALS | .3 | 21.2 | 47.1 | 26.9 | .1 | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 2.4 | 3.2 | 1.1 | .2 | | | | | | | 7.0 | 8.4 |
| NNE | | 1.1 | 2.2 | 1.1 | | | | | | | | 4.4 | 8.7 |
| NE | .1 | 1.2 | 2.9 | 2.1 | | | | | | | | 6.3 | 9.4 |
| ENE | | .9 | 4.8 | 2.6 | .1 | | | | | | | 8.3 | 9.7 |
| E | | 1.8 | 3.8 | 2.1 | | | | | | | | 7.7 | 8.9 |
| ESE | | 1.4 | 3.1 | 1.3 | | | | | | | | 5.9 | 8.9 |
| SE | | 1.1 | 2.6 | .9 | | | | | | | | 4.6 | 8.6 |
| SSE | | .6 | 2.6 | .3 | | | | | | | | 3.4 | 8.3 |
| S | | 1.9 | 4.3 | 1.1 | | | | | | | | 7.3 | 8.4 |
| SSW | | 1.2 | 3.2 | 1.6 | | | | | | | | 6.0 | 9.0 |
| SW | | .8 | 4.4 | 5.9 | .1 | | | | | | | 11.2 | 10.8 |
| WSW | | 1.1 | 5.6 | 5.3 | | | | | | | | 12.0 | 10.3 |
| W | .1 | 1.1 | 3.6 | 2.4 | | | | | | | | 7.2 | 9.4 |
| WNW | | .8 | 1.4 | .3 | | | | | | | | 2.6 | 8.6 |
| NW | .1 | .2 | 1.1 | .4 | | | | | | | | 1.9 | 9.2 |
| NNW | | .2 | .8 | .3 | | | | | | | | 1.3 | 8.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.8 | //// |
| TOTALS | .3 | 17.9 | 49.6 | 29.0 | .4 | | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | | |
| N | | 1.0 | 1.4 | 1.7 | .1 | | | 4.3 | 9.9 |
| NNE | | | 1.3 | .7 | .1 | | | 2.2 | 10.9 |
| NE | .1 | .1 | 1.4 | 2.6 | .4 | | | 4.8 | 11.8 |
| ENE | | .9 | 3.8 | 3.3 | | | | 7.9 | 10.0 |
| E | | 1.2 | 4.9 | 2.0 | | | | 8.1 | 9.1 |
| ESE | | .9 | 5.9 | 2.6 | | | | 9.4 | 9.5 |
| SE | | 1.0 | 6.3 | 2.3 | | | | 9.7 | 9.4 |
| SSE | | .6 | 2.9 | 1.3 | | | | 4.8 | 9.5 |
| S | .1 | 1.3 | 5.8 | 2.6 | .3 | | | 10.1 | 9.6 |
| SSW | | 1.3 | 5.2 | 2.7 | .4 | | | 9.7 | 10.0 |
| SW | | .9 | 5.1 | 5.3 | .1 | | | 11.4 | 10.8 |
| WSW | | .7 | 4.0 | 3.2 | .3 | | | 8.2 | 10.3 |
| W | | 1.2 | 2.2 | 1.2 | | .1 | | 4.6 | 9.1 |
| WNW | | .4 | 1.2 | .1 | | | | 1.7 | 8.2 |
| NW | | .3 | .6 | .1 | | | | 1.0 | 7.7 |
| NNW | | .3 | .6 | .3 | | | | 1.2 | 9.1 |
| VARIABLE | | | | | | | | | |
| CALM | //////////////////// | | | | | | | 1.0 | //// |
| TOTALS | .7 | 12.0 | 52.5 | 32.2 | 1.9 | .1 | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS: 693

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83, 86-87
MONTH: JUN HOURS(LEST): 1800-2100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .7 | 1.0 | .5 | | | | | | | | 2.2 | 9.1 |
| NNE | | | 1.0 | .6 | .5 | .2 | | | | | | 2.5 | 13.0 |
| NE | | .7 | 1.4 | 1.4 | .2 | | | | | | | 3.2 | 10.8 |
| ENE | | 1.5 | 4.7 | 1.4 | | | | | | | | 7.6 | 8.3 |
| E | | 3.4 | 6.2 | .7 | | | | | | | | 10.3 | 7.4 |
| ESE | .2 | 4.2 | 4.2 | .3 | .2 | | | | | | | 9.1 | 7.4 |
| SE | | 2.4 | 2.7 | .3 | | | | | | | | 5.4 | 7.4 |
| SSE | | 4.1 | 3.4 | .7 | | | | | | | | 8.1 | 6.8 |
| S | | 5.6 | 7.8 | 4.2 | .2 | | | | | | | 17.7 | 8.8 |
| SSW | .2 | 0.9 | 5.1 | 1.5 | .3 | .2 | | | | | | 10.1 | 8.9 |
| SW | | 3.0 | 5.9 | 2.0 | | | | | | | | 11.1 | 8.3 |
| WSW | | 1.0 | 1.9 | .3 | | | | | | | | 4.1 | 7.5 |
| W | | .5 | .8 | .2 | | | | | | | | 1.5 | 7.8 |
| WNW | | 1.2 | .2 | .2 | | | | | | | | 1.5 | 6.6 |
| NW | | .7 | .5 | .2 | | | | | | | | 1.0 | 7.8 |
| NNW | | .7 | .3 | .2 | | | | | | | | 1.2 | 7.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.2 | //// |
| TOTALS | .3 | 32.6 | 47.1 | 14.9 | 1.4 | .2 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS: 592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: JUN HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .5 | .5 | | | | | | | | 1.0 | 6.5 |
| NNE | | | 1.5 | .5 | .5 | | | | | | 2.6 | 12.8 |
| NE | | 2.1 | 2.1 | .5 | | | | | | | 4.6 | 7.6 |
| ENE | | 2.6 | 1.5 | | | | | | | | 4.1 | 6.6 |
| E | | 6.2 | 4.6 | | | | | | | | 10.8 | 6.3 |
| ESE | | 5.1 | 2.1 | | | | | | | | 7.2 | 6.1 |
| SE | .5 | 1.5 | .5 | | | | | | | | 2.6 | 4.8 |
| SSE | 1.0 | 2.6 | 1.5 | | | | | | | | 5.1 | 5.1 |
| S | | 11.8 | 8.2 | 2.6 | .5 | | | | | | 23.1 | 7.5 |
| SSW | | 3.6 | 2.6 | 2.1 | .5 | | | | | | 8.7 | 9.2 |
| SW | | 5.1 | 4.6 | 2.6 | | | | | | | 12.3 | 7.9 |
| WSW | | 2.6 | 1.5 | | | | | | | | 4.1 | 5.9 |
| W | | 1.0 | .5 | | | | | | | | 1.5 | 5.3 |
| WNW | | 1.0 | 1.0 | .5 | | | | | | | 2.6 | 7.8 |
| NW | | 1.0 | | | | | | | | | 1.0 | 5.0 |
| NNW | | 1.0 | | | | | | | | | 1.0 | 5.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 7.7 | //// |
| TOTALS | 1.5 | 47.7 | 32.8 | 8.7 | 1.5 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .7 | 1.7 | 2.9 | 1.3 | .1 | | | | | | 6.0 | 8.7 |
| NNE | | 1.1 | 2.0 | 1.3 | .1 | .3 | | | | | 4.6 | 9.4 |
| NE | .0 | 1.1 | 2.4 | 1.9 | .1 | | | | | | 5.6 | 9.7 |
| ENE | | 1.2 | 3.8 | 1.9 | .0 | | | | | | 6.9 | 9.2 |
| E | | 2.1 | 3.9 | 1.3 | | | | | | | 7.4 | 8.3 |
| ESE | .0 | 1.8 | 2.9 | .9 | .0 | | | | | | 5.7 | 8.3 |
| SE | .0 | 1.0 | 2.6 | .8 | | | | | | | 4.4 | 8.6 |
| SSE | .1 | 1.2 | 2.1 | .4 | | | | | | | 3.7 | 7.7 |
| S | .1 | 3.1 | 4.1 | 1.5 | .1 | | | | | | 8.9 | 8.2 |
| SSW | .0 | 1.8 | 3.5 | 1.4 | .1 | .7 | | | | | 7.0 | 8.9 |
| SW | | 2.0 | 5.3 | 4.6 | .1 | | | | | | 12.0 | 9.8 |
| WSW | .7 | 1.6 | 4.9 | 4.0 | .0 | | | | | | 13.6 | 9.7 |
| W | .0 | 1.4 | 3.2 | 1.3 | | .7 | | | | | 5.9 | 8.7 |
| WNW | .1 | 1.3 | 1.2 | .3 | | | | | | | 2.9 | 7.4 |
| NW | .0 | .5 | .9 | .2 | | | | | | | 1.7 | 8.0 |
| NNW | .0 | .5 | .7 | .2 | | | | | | | 1.4 | 7.6 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.2 | //// |
| TOTALS | .5 | 23.4 | 46.6 | 23.4 | .8 | .1 | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS: 4081

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-7 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.9 | 3.5 | 1.2 | | | | | | | | 7.7 | 7.5 |
| NNE | | 1.3 | 2.6 | 1.1 | | | | | | | | 5.0 | 8.7 |
| NE | | 2.0 | 1.6 | .4 | | | | | | | | 4.0 | 7.2 |
| ENE | | 1.4 | 1.8 | .2 | | | | | | | | 3.5 | 7.0 |
| E | .1 | 1.9 | 1.7 | .6 | | | | | | | | 4.3 | 7.4 |
| ESE | .1 | .6 | .2 | .1 | | | | | | | | 1.1 | 6.2 |
| SE | | .1 | .4 | | | | | | | | | .5 | 7.5 |
| SSE | | .5 | .5 | | | | | | | | | 1.0 | 6.5 |
| S | | 3.1 | .5 | .1 | | | | | | | | 3.7 | 5.6 |
| SSW | | 3.2 | 1.7 | .2 | | | | | | | | 5.2 | 6.5 |
| SW | .1 | 3.6 | 7.3 | 2.2 | | | | | | | | 13.2 | 8.3 |
| WSW | .1 | 5.8 | 9.1 | 2.2 | | | | | | | | 17.2 | 8.0 |
| W | .2 | 4.6 | 3.2 | 1.1 | | | | | | | | 9.1 | 7.0 |
| WNW | | 4.2 | 1.0 | | | | | | | | | 5.2 | 5.3 |
| NW | | 2.4 | .4 | .4 | | | | | | | | 3.1 | 6.0 |
| NNW | | 1.8 | 1.7 | | | | | | | | | 3.5 | 6.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.7 | //// |
| TOTALS | .8 | 39.5 | 37.1 | 9.7 | | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 0900-1200

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 5.2 | 4.0 | .8 | | | | | | | 9.9 | 7.0 |
| NNE | | 2.9 | 2.9 | 1.1 | | | | | | | 6.9 | 7.4 |
| NE | | 2.7 | 1.9 | 2.8 | | | | | | | 7.4 | 8.9 |
| ENE | | 1.5 | 1.9 | 1.1 | | | | | | | 4.5 | 8.5 |
| E | | 1.7 | 2.8 | .9 | | | | | | | 5.4 | 8.3 |
| ESE | | 1.4 | 2.4 | .2 | | | | | | | 4.0 | 7.7 |
| SE | | .4 | 1.5 | | | | | | | | 1.9 | 7.9 |
| SSE | | .4 | .5 | .1 | | | | | | | 1.1 | 7.7 |
| S | | 1.9 | 1.5 | .4 | | | | | | | 3.9 | 7.1 |
| SSW | | 1.5 | 3.1 | 1.0 | | | | | | | 5.6 | 8.5 |
| SW | .1 | 1.9 | 5.5 | 5.4 | .1 | | | | | | 13.0 | 9.9 |
| WSW | .2 | 2.5 | 7.0 | 4.7 | | | | | | | 14.4 | 9.1 |
| W | .2 | 2.9 | 6.1 | 2.0 | | | | | | | 11.3 | 8.1 |
| WNW | | 1.8 | 1.2 | | | | | | | | 3.0 | 6.3 |
| NW | | .1 | .5 | | | | | | | | .6 | 7.8 |
| NNW | | 1.0 | .6 | .1 | | | | | | | 1.7 | 6.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.2 | //// |
| TOTALS | .5 | 30.7 | 43.6 | 20.6 | .1 | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: JUL HOURS(1ST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.0 | 2.9 | .9 | | | | | | | 5.8 | 8.1 |
| NNE | | 1.7 | 1.3 | .4 | | | | | | | 3.4 | 7.5 |
| NE | .1 | 1.3 | 2.8 | 2.5 | | | | | | | 6.7 | 9.6 |
| ENE | | 1.5 | 3.0 | 2.7 | | | | | | | 7.2 | 9.4 |
| E | | 1.7 | 3.3 | 1.0 | | | | | | | 6.0 | 8.1 |
| ESE | | 1.6 | 3.8 | .9 | | | | | | | 6.2 | 8.2 |
| SE | | 1.2 | 2.4 | 1.1 | | | | | | | 4.6 | 8.6 |
| SSE | | .6 | 1.8 | .1 | | | | | | | 2.6 | 7.8 |
| S | | 1.9 | 3.6 | 2.0 | | | | | | | 7.5 | 8.6 |
| SSW | .1 | 1.3 | 5.1 | 2.2 | | | | | | | 8.6 | 9.0 |
| SW | | 1.5 | 7.0 | 5.8 | .1 | | | | | | 14.4 | 10.0 |
| WSW | .1 | 1.2 | 6.0 | 4.0 | | | | | | | 11.3 | 9.8 |
| W | .2 | 1.7 | 3.1 | 1.8 | | | | | | | 6.9 | 8.5 |
| WNW | .1 | 1.0 | 1.0 | .4 | | | | | | | 2.5 | 7.5 |
| NW | | .5 | .8 | | | | | | | | 1.3 | 7.4 |
| NNW | | .4 | .3 | .1 | | | | | | | .9 | 6.9 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 3.9 | //// |
| TOTALS | .6 | 21.3 | 48.2 | 25.9 | .1 | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | .7 | 1.0 | .3 | | | | | | | | 2.0 | 7.0 |
| NNE | | .4 | .5 | .7 | | | | | | | | 1.6 | 9.5 |
| NE | | 1.0 | 1.1 | 2.0 | | | | | | | | 4.1 | 9.8 |
| ENE | | .7 | 5.3 | 2.2 | | | | | | | | 9.2 | 9.6 |
| E | | .4 | 4.9 | 1.5 | | | | | | | | 6.8 | 9.4 |
| ESE | | 1.5 | 5.2 | 1.1 | | | | | | | | 7.8 | 8.4 |
| SE | | 2.0 | 3.7 | 1.5 | | | | | | | | 7.2 | 8.7 |
| SSE | | 1.2 | 3.7 | 1.0 | | | | | | | | 5.9 | 8.7 |
| S | | 2.3 | 5.9 | 1.9 | .1 | .3 | | | | | | 10.5 | 8.9 |
| SSW | | 1.4 | 5.4 | 2.7 | .1 | .1 | | | | | | 9.8 | 9.6 |
| SW | | 2.6 | 6.8 | 4.4 | | | | | | | | 13.8 | 9.4 |
| WSW | .1 | 1.9 | 3.3 | 2.7 | | .1 | | | | | | 8.2 | 9.2 |
| W | | 1.2 | 4.2 | 1.0 | | | | | | | | 6.4 | 8.6 |
| WNW | | .7 | 2.2 | .3 | | | | | | | | 3.1 | 7.7 |
| NW | | .8 | .4 | .3 | | | | | | | | 1.5 | 7.3 |
| NNW | | .4 | .3 | .1 | | .1 | | | | | | 1.0 | 9.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.2 | //// |
| TOTALS | .3 | 19.2 | 53.8 | 23.6 | .3 | .7 | | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-92,86-87
MONTH: JUL HOURS (LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .5 | .3 | | .2 | | | | | | | .9 | 8.0 |
| NNE | | | .8 | .2 | | | | | | | | .9 | 10.0 |
| NE | | .5 | 2.0 | 1.3 | | | | | | | | 3.9 | 9.5 |
| ENE | | 1.4 | 3.0 | 1.9 | | | | | | | | 6.3 | 9.2 |
| E | | 4.7 | 6.0 | .6 | | | | | | | | 11.3 | 7.1 |
| ESE | .2 | 3.6 | 1.7 | .2 | | | | | | | | 5.7 | 6.1 |
| SE | | 2.8 | 2.8 | .5 | | | | | | | | 5.1 | 6.8 |
| SSE | | 5.8 | 2.7 | .2 | | | | | | | | 9.7 | 6.1 |
| S | | 6.6 | 5.2 | 1.1 | | | | | | | | 12.9 | 7.1 |
| SSW | .2 | 3.3 | 5.4 | 1.4 | | | | | | | | 10.2 | 7.7 |
| SW | | 6.3 | 3.8 | 1.4 | .2 | | | | | | | 11.7 | 7.3 |
| WSW | | 3.1 | 1.4 | .3 | | | | | | | | 4.9 | 6.4 |
| W | .3 | 2.4 | 1.4 | .2 | | | | | | | | 4.3 | 6.6 |
| WNW | .2 | 1.6 | .6 | .2 | | | | | | | | 2.5 | 5.8 |
| NW | | 1.1 | .3 | | | | | | | | | 1.4 | 5.7 |
| NNW | | .5 | .5 | .2 | .2 | | | | | | | 1.3 | 9.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.1 | //// |
| TOTALS | .8 | 44.7 | 38.0 | 9.4 | .5 | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 655

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82, 86-87
MONTH: JUL HOURS(EST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .5 | .5 | | | | | | | | | .9 | 6.5 |
| NNE | | .5 | .9 | .5 | | | | | | | | 1.8 | 8.8 |
| NE | | .9 | 1.4 | | | | | | | | | 2.3 | 6.8 |
| ENE | | .9 | 3.7 | | | | | | | | | 4.6 | 7.9 |
| E | | 5.0 | 2.8 | | | | | | | | | 7.8 | 6.2 |
| ESE | | 6.4 | 1.4 | | | | | | | | | 7.8 | 5.6 |
| SE | | 1.8 | .9 | | | | | | | | | 2.8 | 5.8 |
| SSE | | 4.1 | .5 | | | | | | | | | 4.6 | 5.2 |
| S | .5 | 11.5 | 3.7 | .5 | .9 | | | | | | | 17.0 | 6.5 |
| SSW | | 6.9 | 8.7 | 2.3 | | | | | | | | 17.9 | 7.7 |
| SW | .5 | 3.2 | 2.8 | 1.4 | | | | | | | | 7.8 | 7.5 |
| WSW | .5 | 3.2 | .9 | | | | | | | | | 4.6 | 5.6 |
| W | | 1.8 | .9 | .5 | | | | | | | | 3.2 | 7.3 |
| WNW | | 1.4 | | | | | | | | | | 1.4 | 5.0 |
| NW | | .5 | | | | | | | | | | .5 | 5.0 |
| NNW | | 1.4 | .5 | | | | | | | | | 1.8 | 6.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 13.3 | //// |
| TOTALS | 1.4 | 50.0 | 29.4 | 5.0 | .9 | | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 218

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .0 | 2.3 | 2.4 | .6 | .0 | | | | | | 5.5 | 7.4 |
| NNE | | 1.4 | 1.7 | .7 | | | | | | | 3.7 | 8.0 |
| NE | .0 | 1.5 | 1.9 | 1.8 | | | | | | | 5.2 | 9.0 |
| ENE | | 1.3 | 3.0 | 1.5 | | | | | | | 5.4 | 8.9 |
| E | .0 | 2.2 | 3.5 | .9 | | | | | | | 6.6 | 7.9 |
| ESE | .0 | 1.9 | 2.6 | .5 | | | | | | | 5.0 | 7.5 |
| SE | | 1.2 | 2.0 | .6 | | | | | | | 3.8 | 8.0 |
| SSE | | 1.6 | 1.7 | .2 | | | | | | | 3.5 | 7.2 |
| S | .0 | 3.4 | 3.2 | 1.1 | .1 | .0 | | | | | 7.8 | 7.6 |
| SSW | .0 | 2.3 | 4.3 | 1.5 | .0 | .0 | | | | | 8.2 | 8.4 |
| SW | .1 | 3.0 | 6.0 | 3.9 | .1 | | | | | | 13.0 | 9.1 |
| WSW | .1 | 2.9 | 5.4 | 2.8 | | .0 | | | | | 11.3 | 8.7 |
| W | .2 | 2.5 | 3.6 | 1.3 | | | | | | | 7.6 | 7.9 |
| WNW | .0 | 1.8 | 1.1 | .2 | | | | | | | 3.2 | 6.3 |
| NW | | .9 | .5 | .1 | | | | | | | 1.5 | 6.6 |
| NNW | | .9 | .7 | .1 | .0 | .0 | | | | | 1.7 | 7.2 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 6.5 | //// |
| TOTALS | .7 | 31.3 | 43.5 | 17.7 | .2 | .1 | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 4275

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: AUG HOURS(LST): 0600-0600

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 3.6 | 4.8 | 1.0 | | | | | | | 9.7 | 7.7 |
| NNE | | 1.5 | 3.4 | 2.1 | .2 | | | | | | 7.1 | 9.5 |
| NE | .1 | 1.7 | 2.4 | .6 | .1 | | | | | | 5.0 | 8.1 |
| ENE | .1 | .6 | 1.2 | .6 | .1 | | | | | | 2.7 | 9.1 |
| E | | 2.1 | 1.6 | .2 | | | | | | | 3.9 | 7.0 |
| ESE | | .4 | .4 | | | | | | | | .7 | 6.2 |
| SE | .1 | .4 | | | | | | | | | .5 | 4.5 |
| SSE | | .5 | .1 | | | | | | | | .6 | 5.2 |
| S | .5 | 4.5 | .5 | | | | | | | | 5.4 | 5.1 |
| SSW | .1 | 2.1 | 1.2 | .2 | | | | | | | 3.6 | 6.4 |
| SW | .2 | 5.3 | 5.1 | 1.3 | | | | | | | 12.0 | 7.2 |
| WSW | | 5.7 | 5.1 | 1.3 | | | | | | | 11.4 | 7.3 |
| W | .1 | 3.9 | 4.1 | .4 | | | | | | | 8.5 | 6.7 |
| WNW | .2 | 2.1 | .7 | .1 | | | | | | | 3.1 | 6.0 |
| NW | .1 | 2.2 | 1.1 | | | | | | | | 3.4 | 5.7 |
| NNW | | 1.8 | 1.7 | | | | | | | | 3.5 | 6.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 18.9 | //// |
| TOTALS | 1.9 | 37.4 | 33.4 | 7.9 | .5 | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 3.5 | 5.2 | 1.5 | | | .1 | | | | 10.5 | 8.2 |
| NNE | .2 | 2.2 | 2.5 | 1.0 | | | | | | | 5.9 | 8.1 |
| NE | .2 | 2.4 | 3.4 | 3.9 | .3 | | | | | | 10.2 | 9.4 |
| ENE | | .7 | 2.7 | 3.9 | | | | | | | 7.3 | 10.7 |
| E | | 1.2 | 2.2 | .5 | | | | | | | 3.9 | 7.9 |
| ESE | .1 | 1.7 | 1.7 | .1 | .1 | | | | | | 3.8 | 7.4 |
| SE | | .9 | 1.2 | .2 | | | | | | | 2.3 | 8.0 |
| SSE | | 1.1 | .5 | | | | | | | | 1.6 | 6.2 |
| S | .2 | 1.7 | 2.6 | .5 | | | | | | | 5.1 | 7.4 |
| SSW | | 1.2 | 2.8 | .7 | | | | | | | 4.7 | 7.9 |
| SW | | 2.0 | 6.0 | 3.1 | | | | | | | 11.0 | 9.1 |
| WSW | | 3.4 | 5.4 | 2.6 | | | | | | | 11.4 | 8.5 |
| W | .1 | 2.8 | 4.5 | .7 | | | | | | | 7.1 | 7.4 |
| WNW | .1 | 2.1 | .9 | | | | | | | | 3.1 | 5.9 |
| NW | | .9 | 1.0 | .1 | | | | | | | 2.0 | 7.2 |
| NNW | | 1.1 | 1.5 | .1 | | | | | | | 2.7 | 7.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.4 | //// |
| TOTALS | 1.1 | 28.8 | 44.2 | 19.0 | .4 | | .1 | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.0 | 3.6 | 2.0 | | | | | | | 7.5 | 8.8 |
| NNE | .1 | 1.4 | 2.6 | .5 | | | | | | | 4.7 | 7.8 |
| NE | .1 | 1.1 | 2.6 | 3.1 | .1 | .1 | | | | | 7.2 | 10.2 |
| ENE | | 1.2 | 3.5 | 3.6 | .5 | | | | | | 8.8 | 10.6 |
| E | .1 | 2.1 | 4.4 | 1.4 | .1 | | .1 | | | | 8.2 | 8.9 |
| ESE | | 1.4 | 2.9 | .5 | | | | | | | 4.9 | 7.7 |
| SE | | 1.0 | 3.3 | 1.6 | | | | | | | 5.9 | 9.1 |
| SSE | | 1.1 | 2.9 | .5 | | | | | | | 4.6 | 8.0 |
| S | | 1.7 | 3.5 | 1.3 | | | | | | | 6.5 | 8.7 |
| SSW | | 1.5 | 4.1 | 1.3 | | | | | | | 6.9 | 8.5 |
| SW | | 1.4 | 5.2 | 5.1 | | | | | | | 11.7 | 9.9 |
| WSW | | 1.5 | 3.0 | 2.6 | | | | | | | 7.2 | 9.3 |
| W | .2 | 2.7 | 3.5 | .7 | | | | | | | 7.0 | 7.3 |
| WNW | | 1.0 | .3 | | .1 | | | | | | 1.4 | 6.8 |
| NW | | .4 | .5 | .1 | | | | | | | 1.1 | 6.8 |
| NNW | | .8 | .5 | | .1 | | | | | | 1.4 | 7.5 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 5.1 | //// |
| TOTALS | .5 | 22.2 | 46.5 | 24.4 | 1.0 | .1 | .1 | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .6 | 2.6 | 1.4 | | | | | .1 | | 4.7 | 10.9 |
| NNE | .1 | .3 | 1.7 | 1.1 | | | | .1 | | | 3.3 | 10.5 |
| NE | | .3 | 2.9 | 3.4 | .3 | | | | | | 6.9 | 11.1 |
| ENE | | .8 | 3.7 | 3.3 | .4 | | | .1 | | | 8.4 | 10.8 |
| E | | 2.8 | 5.6 | 1.5 | | | | | | | 9.9 | 8.3 |
| ESE | | .6 | 4.7 | .4 | | | | | | | 5.6 | 8.2 |
| SE | | 2.3 | 4.5 | 1.5 | | | | | | | 8.4 | 8.5 |
| SSE | .1 | 2.1 | 2.3 | 1.0 | | | | | | | 5.5 | 7.6 |
| S | .1 | 3.3 | 7.7 | 1.7 | | | | | | | 12.8 | 8.0 |
| SSW | | 2.2 | 5.5 | 2.3 | | | | | | | 10.0 | 8.8 |
| SW | | 1.2 | 5.0 | 2.3 | | | | | | | 8.5 | 9.1 |
| WSW | .1 | 1.5 | 3.0 | .7 | | | | | | | 5.4 | 7.9 |
| W | | 1.2 | 3.0 | .6 | | | | | | | 4.8 | 8.2 |
| WNW | | .8 | .3 | | | | | | | | 1.1 | 5.8 |
| NW | | .1 | .4 | .1 | | | | | | | .7 | 9.4 |
| NNW | | | 1.1 | .1 | | | | | | | 1.2 | 8.7 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 2.5 | //// |
| TOTALS | .6 | 20.1 | 54.1 | 21.5 | .7 | | | .3 | .1 | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS: 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM POORLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: AUG HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .5 | 1.4 | 1.1 | | | | | | | | 3.0 | 10.0 |
| NNE | | .3 | 2.2 | 1.4 | | | | | | | | 3.9 | 10.6 |
| NE | | .9 | 3.8 | 1.3 | | | | | | | | 6.0 | 8.7 |
| ENE | | | 1.7 | 4.9 | 1.6 | .2 | | | | | | 8.3 | 9.0 |
| E | .2 | 5.6 | 3.6 | .2 | | | | | | | | 9.6 | 6.5 |
| ESE | | 4.5 | 1.9 | .5 | | | | | | | | 6.9 | 6.4 |
| SE | | 4.1 | 1.7 | | | | | | | | | 5.8 | 5.9 |
| SSE | .2 | 3.6 | 2.0 | | | | | | | | | 5.8 | 6.2 |
| S | .2 | 11.9 | 5.8 | .3 | | | | | | | | 18.2 | 6.3 |
| SSW | .2 | 4.1 | 4.7 | .5 | | | | | | | | 9.4 | 7.2 |
| SW | .3 | 2.5 | 2.2 | .3 | | | | | | | | 5.3 | 6.6 |
| WSW | .5 | 1.3 | .8 | .3 | .2 | | | | | | | 3.0 | 7.0 |
| W | | 1.9 | .3 | .3 | | | | | | | | 2.5 | 6.1 |
| WNW | | .3 | | | | .3 | | | | | | .6 | 14.5 |
| NW | | .3 | .2 | | | .2 | | | | | | .6 | 11.0 |
| NNW | | .9 | .6 | .2 | | | | | | | | 1.7 | 7.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.4 | //// |
| TOTALS | 1.4 | 44.5 | 36.1 | 7.8 | .3 | .5 | | | | | | 107.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: AUG HOURS (LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | .9 | 1.8 | .9 | | | | | | | | 3.7 | 8.6 |
| NNE | | .5 | 3.7 | .5 | | | | | | | | 4.6 | 9.3 |
| NE | | 1.8 | 2.8 | | | | | | | | | 4.6 | 7.3 |
| ENE | | 3.2 | 3.2 | .9 | | | | | | | | 7.4 | 7.8 |
| E | .5 | 3.2 | 1.4 | | | | | | | | | 5.1 | 5.4 |
| ESE | .5 | 4.1 | .9 | | | | | | | | | 5.5 | 5.2 |
| SE | | 1.8 | | | | | | | | | | 1.9 | 4.8 |
| SSE | | 3.2 | .9 | | | | | | | | | 4.1 | 5.2 |
| S | | 15.2 | 6.9 | .9 | | | | | | | | 23.0 | 6.2 |
| SSW | | 4.6 | 4.6 | 1.4 | | | | | | | | 10.6 | 7.7 |
| SW | .5 | 2.3 | .5 | .5 | | | | | | | | 3.7 | 6.0 |
| WSW | .9 | 2.3 | .5 | | | | | | | | | 3.7 | 4.9 |
| W | | 1.8 | .5 | | | .5 | | | | | | 2.8 | 8.3 |
| WNW | | .9 | | | | | | | | | | .9 | 4.0 |
| NW | .5 | .5 | .5 | .5 | | | | | | | | 1.8 | 6.8 |
| NNW | | 1.4 | | | | | | | | | | 1.4 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.2 | //// |
| TOTALS | 2.8 | 47.9 | 28.1 | 5.5 | | .5 | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS: 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS: 12:01:00 ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 2.1 | 3.6 | 1.4 | | | .0 | | .0 | | 7.2 | 8.6 |
| NNE | .1 | 1.2 | 2.6 | 1.2 | .3 | | | .0 | | | 5.1 | 9.0 |
| NE | .1 | 1.4 | 3.0 | 2.4 | .2 | .3 | | | | | 7.0 | 9.7 |
| ENE | .3 | 1.1 | 3.1 | 2.6 | .2 | | | .0 | | | 7.1 | 10.1 |
| E | .1 | 2.6 | 3.3 | .8 | .0 | | .0 | | | | 6.8 | 7.8 |
| ESE | .0 | 1.7 | 2.2 | .3 | .0 | | | | | | 4.3 | 7.2 |
| SE | .0 | 1.6 | 2.0 | .7 | | | | | | | 4.3 | 7.9 |
| SSE | .0 | 1.6 | 1.5 | .3 | | | | | | | 3.5 | 7.0 |
| S | .2 | 4.8 | 4.0 | .8 | | | | | | | 9.7 | 7.0 |
| SSW | .0 | 2.2 | 3.6 | 1.0 | | | | | | | 6.9 | 7.9 |
| SW | .1 | 2.5 | 4.6 | 2.5 | | | | | | | 9.7 | 8.6 |
| WSW | .1 | 2.6 | 3.5 | 1.6 | .0 | | | | | | 7.8 | 8.1 |
| W | .1 | 2.5 | 3.1 | .5 | | .0 | | | | | 6.3 | 7.2 |
| WNW | .1 | 1.3 | .4 | .0 | .0 | .0 | | | | | 1.9 | 6.4 |
| NW | .0 | .8 | .7 | .1 | | .3 | | | | | 1.6 | 6.9 |
| NNW | | 1.0 | 1.1 | .1 | .0 | | | | | | 2.1 | 7.1 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.8 |
| TOTALS | 1.2 | 30.9 | 42.3 | 16.1 | .6 | .1 | .0 | .0 | .0 | .0 | 107.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 4248

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .2 | 3.6 | 8.4 | 2.6 | | | | | | | | 14.9 | 8.5 |
| NNE | | 2.9 | 5.1 | 7.1 | | | | | | | | 11.1 | 9.0 |
| NE | | 2.7 | 2.6 | .9 | .1 | | | | | | | 6.3 | 7.9 |
| ENE | | 2.6 | 3.2 | .5 | .1 | | | | | | | 6.5 | 7.5 |
| E | | 1.4 | 1.9 | .4 | | | | | | | | 3.6 | 7.9 |
| ESE | | 1.0 | .4 | .1 | | | | | | | | 1.5 | 6.7 |
| SE | | .2 | .4 | .2 | | | | | | | | .9 | 8.4 |
| SSE | | .7 | .1 | .4 | | | | | | | | 1.2 | 6.8 |
| S | .1 | 1.5 | .5 | .1 | | | | | | | | 2.2 | 6.1 |
| SSW | .1 | 2.2 | 1.4 | .1 | | | | | | | | 3.9 | 6.4 |
| SW | | 3.9 | 2.5 | .9 | | | | | | | | 7.2 | 7.0 |
| WSW | .2 | 3.6 | 3.9 | .9 | | | | | | | | 8.6 | 7.0 |
| W | .4 | 4.5 | 2.5 | .4 | | | | | | | | 7.7 | 6.4 |
| WNW | .1 | 3.2 | .6 | | | | | | | | | 4.0 | 5.3 |
| NW | .2 | 1.6 | .5 | | | | | | | | | 2.4 | 5.7 |
| NNW | | 1.4 | .7 | .1 | | | | | | | | 2.2 | 6.4 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.9 | //// |
| TOTALS | 1.5 | 37.0 | 34.7 | 10.7 | .2 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS: 805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 79-87
MONTH: SEP HOURS(IST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.8 | 5.1 | 2.8 | | | | | | | | 10.8 | 8.8 |
| NNE | .1 | 1.8 | 5.0 | 3.8 | .1 | | | | | | | 10.8 | 9.4 |
| NE | .1 | 2.5 | 5.4 | 6.1 | .1 | | | | | | | 14.2 | 10.3 |
| ENE | | 1.5 | 4.0 | 5.3 | .2 | | | | | | | 10.9 | 10.7 |
| E | .1 | 1.0 | 4.2 | 2.3 | | | | | | | | 7.7 | 9.6 |
| ESE | | .4 | 1.3 | .7 | | | | | | | | 2.5 | 9.5 |
| SE | .1 | 1.1 | 1.0 | .4 | | | | | | | | 2.7 | 7.4 |
| SSE | | .8 | .7 | .3 | | | | | | | | 1.8 | 7.0 |
| S | | 1.1 | .9 | | | | | | | | | 2.0 | 6.4 |
| SSW | .1 | 1.1 | .9 | .7 | | | | | | | | 2.8 | 8.0 |
| SW | | 2.1 | 4.1 | 1.8 | | | | | | | | 8.0 | 8.6 |
| WSW | | 1.6 | 4.2 | 1.3 | | | | | | | | 7.2 | 8.6 |
| W | .2 | 2.1 | 4.8 | 1.1 | | | | | | | | 8.3 | 7.7 |
| WNW | | 1.3 | .9 | .2 | | | | | | | | 2.5 | 6.5 |
| NW | .1 | .6 | 1.1 | .2 | | | | | | | | 2.0 | 8.3 |
| NNW | | .6 | .7 | .3 | | | | | | | | 1.6 | 7.9 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.2 | //// |
| TOTALS | 1.0 | 22.3 | 44.5 | 27.5 | .4 | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: SEP HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 1.8 | 3.6 | 2.1 | | | | | | | | 7.5 | 9.2 |
| NNE | .1 | 1.1 | 3.2 | 3.0 | .2 | | | | | | | 7.7 | 10.3 |
| NE | .1 | 1.6 | 4.6 | 6.7 | .1 | | | | | | | 13.0 | 10.6 |
| ENE | | 1.8 | 7.3 | 5.8 | .2 | | | | | | | 15.1 | 10.0 |
| E | | 1.8 | 4.0 | 2.7 | | | | | | | | 9.5 | 9.3 |
| ESE | .1 | 1.1 | 2.3 | .9 | .1 | | | | | | | 4.6 | 8.3 |
| SE | | 1.1 | 2.2 | 1.4 | | | | | | | | 4.8 | 9.2 |
| SSE | | .3 | 1.2 | .3 | | | | | | | | 1.9 | 8.2 |
| S | | 1.9 | 2.3 | .8 | | | | | | | | 5.0 | 8.0 |
| SSW | | 1.2 | 3.2 | .6 | | | | | | | | 5.0 | 8.4 |
| SW | | 1.2 | 4.6 | 2.7 | | .1 | | | | | | 8.6 | 9.5 |
| WSW | .1 | 1.0 | 3.9 | 2.2 | | | | | | | | 7.2 | 9.1 |
| W | | 1.2 | 2.0 | 1.4 | | | | | | | | 4.7 | 9.0 |
| WNW | .1 | .6 | 1.2 | .4 | | | | | | | | 2.3 | 7.8 |
| NW | | .3 | .3 | .1 | | | | | | | | .8 | 8.1 |
| NNW | | .1 | .7 | .3 | | | | | | | | 1.1 | 9.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.2 | //// |
| TOTALS | .6 | 18.2 | 46.8 | 31.5 | .7 | .1 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS: 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .9 | 2.4 | .8 | .3 | | | | | | 4.4 | 9.5 |
| NNE | | 1.1 | 1.4 | 2.3 | .1 | | | | | | 4.9 | 10.1 |
| NE | .1 | .7 | 5.4 | 6.5 | .6 | | | | | | 13.3 | 11.1 |
| ENE | | 1.3 | 8.2 | 6.3 | | | | | | | 15.8 | 10.1 |
| E | .1 | 1.7 | 7.1 | 2.0 | .1 | | | | | | 11.0 | 8.8 |
| ESE | | .8 | 2.8 | 1.3 | | | | | | | 4.9 | 8.9 |
| SE | | 2.8 | 3.5 | .8 | | | | | | | 7.2 | 7.8 |
| SSE | | 1.1 | 2.1 | .4 | | | | | | | 3.7 | 8.4 |
| S | .1 | 2.7 | 5.5 | 1.1 | | | | | | | 8.7 | 8.1 |
| SSW | | .7 | 4.4 | .8 | | | | | | | 5.9 | 8.7 |
| SW | | 1.7 | 2.4 | 1.7 | | | | | | | 5.8 | 8.7 |
| WSW | | .1 | 3.5 | 1.0 | | | | | | | 4.7 | 9.3 |
| W | | 1.7 | 1.7 | .6 | | | | | | | 3.5 | 8.2 |
| WNW | | .8 | .8 | | | | | | | | 1.7 | 7.3 |
| NW | | .4 | .7 | .7 | | | | | | | 1.8 | 9.4 |
| NNW | | .6 | .6 | .8 | | | | | | | 2.0 | 9.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | .7 | //// |
| TOTALS | .4 | 18.1 | 52.5 | 27.2 | 1.1 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 709

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: SEP HOURS: 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | .2 | 1.8 | .5 | | | | | | | 2.4 | 8.8 |
| NNE | | 1.0 | 3.3 | 1.6 | | | | | | | 5.9 | 8.9 |
| NE | | 1.0 | 9.0 | 2.1 | .3 | | | | | | 12.4 | 9.1 |
| ENE | | 2.3 | 7.8 | 2.3 | | | | | | | 12.4 | 8.8 |
| E | | 6.4 | 4.7 | .5 | | | | | | | 11.6 | 6.8 |
| ESE | .3 | 5.2 | 1.8 | | | | | | | | 7.3 | 5.6 |
| SE | .3 | 2.6 | .5 | .2 | | | | | | | 3.6 | 5.8 |
| SSE | | 3.9 | 1.5 | .2 | | | | | | | 5.4 | 6.0 |
| S | .2 | 6.2 | 4.4 | .7 | | | | | | | 11.4 | 6.8 |
| SSW | .2 | 1.8 | 2.9 | .3 | | | | | | | 5.2 | 7.4 |
| SW | .2 | 2.6 | 1.8 | .3 | | | | | | | 4.9 | 6.9 |
| WSW | .7 | 3.4 | .7 | | | | | | | | 4.4 | 5.2 |
| W | | .8 | .5 | | | | | | | | 1.3 | 5.6 |
| WNW | | .8 | .5 | | | | | | | | 1.3 | 6.0 |
| NW | | .5 | .2 | | | | | | | | .7 | 6.8 |
| NNW | | .5 | .2 | .2 | | | | | | | .8 | 7.4 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 9.7 | //// |
| TOTALS | 1.5 | 39.0 | 41.4 | 8.8 | .3 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82, 86-87
MONTH: SEP HOURS: 11: 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 1.0 | 1.5 | .5 | | | | | | | | 2.9 | 8.5 |
| NNE | | 3.4 | 5.3 | .5 | | | | | | | | 9.2 | 7.7 |
| NE | | 3.4 | 5.3 | 1.9 | | | | | | | | 10.7 | 8.2 |
| ENE | | 2.4 | 7.3 | 1.5 | | | | | | | | 11.2 | 8.2 |
| E | .5 | 2.9 | 1.5 | | | | | | | | | 4.9 | 5.9 |
| ESE | .5 | 3.4 | .5 | 1.0 | | | | | | | | 5.3 | 6.1 |
| SE | | 3.4 | 1.5 | | | | | | | | | 4.9 | 5.6 |
| SSE | | 1.9 | .5 | .5 | | | | | | | | 2.9 | 6.5 |
| S | 1.0 | 7.8 | 5.8 | | | | | | | | | 14.6 | 6.3 |
| SSW | | 2.4 | 2.4 | .5 | | | | | | | | 5.3 | 8.1 |
| SW | | 4.4 | 1.0 | 1.5 | | | | | | | | 6.8 | 7.0 |
| WSW | | 1.9 | | .5 | | | | | | | | 2.4 | 6.4 |
| W | .5 | 1.0 | .5 | | | | | | | | | 1.9 | 5.3 |
| WNW | | 1.0 | .5 | | | | | | | | | 1.5 | 6.3 |
| NW | | .5 | | | | | | | | | | .5 | 6.0 |
| NNW | | | .5 | | | | | | | | | .5 | 8.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.6 | //// |
| TOTALS | 2.4 | 40.4 | 34.0 | 8.3 | | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 206

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: SEP HOURS: 1151: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 1.9 | 4.3 | 1.8 | .0 | | | | | | 8.1 | 8.8 |
| NNE | .0 | 1.7 | 3.8 | 2.7 | .1 | | | | | | 5.4 | 9.4 |
| NE | .1 | 1.8 | 5.2 | 4.5 | .2 | | | | | | 11.8 | 10.0 |
| ENE | | 1.9 | 6.0 | 4.0 | .1 | | | | | | 12.0 | 9.6 |
| E | .1 | 2.3 | 4.1 | 1.6 | .0 | | | | | | 8.1 | 8.5 |
| ESE | .1 | 1.6 | 1.6 | .6 | .0 | | | | | | 4.0 | 7.6 |
| SE | .1 | 1.6 | 1.5 | .6 | | | | | | | 3.8 | 7.8 |
| SSE | | 1.2 | 1.0 | .3 | | | | | | | 2.6 | 7.2 |
| S | .1 | 2.6 | 2.7 | .5 | | | | | | | 5.9 | 7.2 |
| SSW | .1 | 1.5 | 2.5 | .5 | | | | | | | 4.5 | 7.9 |
| SW | .0 | 2.4 | 3.1 | 1.6 | | .7 | | | | | 7.1 | 8.3 |
| WSW | .1 | 1.9 | 3.2 | 1.1 | | | | | | | 6.4 | 8.0 |
| W | .1 | 2.7 | 2.4 | .7 | | | | | | | 5.2 | 7.5 |
| WNW | .0 | 1.4 | .8 | .1 | | | | | | | 2.4 | 6.4 |
| NW | .1 | .7 | .6 | .2 | | | | | | | 1.5 | 7.6 |
| NNW | | .6 | .6 | .3 | | | | | | | 1.5 | 8.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 6.7 | //// |
| TOTALS | 1.0 | 27.0 | 43.5 | 21.3 | .5 | .7 | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS: 4126

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 2.9 | 6.1 | 3.5 | | | | | | | | 12.5 | 8.9 |
| NNL | .3 | 2.4 | 2.3 | 2.7 | .6 | | | | | | | 8.2 | 9.9 |
| NE | | 1.4 | 2.3 | 2.9 | .3 | | | | | | | 6.8 | 10.4 |
| ENE | | .8 | 2.1 | 2.1 | | | | | | | | 5.1 | 10.2 |
| E | | .9 | .5 | .4 | | | | | | | | 1.8 | 7.8 |
| ESE | | .2 | .1 | | | | | | | | | .3 | 7.0 |
| SE | | .5 | .5 | | | | | | | | | 1.0 | 6.8 |
| SSE | .1 | .9 | | .3 | | | | | | | | 1.3 | 6.1 |
| S | .3 | 1.0 | .8 | .1 | | | | | | | | 2.1 | 6.5 |
| SSW | | 1.4 | 1.0 | .3 | | | | | | | | 2.7 | 6.8 |
| SW | | 3.9 | 2.1 | 1.1 | | | | | | | | 7.2 | 7.2 |
| WSW | | 2.7 | 3.7 | .6 | | | | | | | | 7.0 | 7.5 |
| W | | 2.1 | 2.8 | .4 | | | | | | | | 5.3 | 7.4 |
| WNW | .3 | 4.4 | 1.4 | | | | | | | | | 6.1 | 5.6 |
| NW | .4 | 1.1 | 2.4 | 1.0 | | | | | | | | 5.6 | 7.5 |
| NNW | .1 | 1.5 | 2.9 | 1.1 | | | | | | | | 5.7 | 8.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.5 | //// |
| TOTALS | 1.4 | 28.7 | 31.0 | 16.6 | .9 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS (LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 4.8 | 5.3 | 4.7 | .2 | | | | | | 15.1 | 9.1 |
| NNE | .1 | 2.2 | 2.3 | 4.1 | .2 | | | | | | 8.8 | 9.9 |
| NE | | 2.4 | 2.9 | 5.9 | .8 | | | | | | 11.9 | 11.1 |
| ENE | | 1.2 | 2.3 | 4.7 | .2 | .1 | | | | | 8.5 | 11.3 |
| E | | .9 | 3.0 | 2.7 | | | | | | | 6.6 | 10.1 |
| ESE | | .6 | .4 | .2 | | | | | | | 1.3 | 7.7 |
| SE | | .8 | 1.0 | .4 | | | | | | | 2.2 | 8.1 |
| SSE | | .6 | 1.5 | .3 | | | | | | | 2.5 | 8.0 |
| S | | 1.1 | 1.9 | .4 | | | | | | | 3.4 | 7.5 |
| SSW | | .6 | 1.0 | .8 | .1 | | | | | | 2.5 | 9.3 |
| SW | | 1.5 | 3.3 | 3.0 | .2 | | | | | | 8.1 | 9.8 |
| WSW | .1 | 1.9 | 2.8 | 1.4 | | | | | | | 6.2 | 8.4 |
| W | | 1.9 | 3.3 | 1.7 | .1 | | | | | | 7.1 | 8.8 |
| WNW | | 1.4 | 1.7 | .5 | .1 | | | | | | 3.8 | 8.2 |
| NW | | .5 | .8 | 1.4 | .2 | | | | | | 2.9 | 10.8 |
| NNW | | .5 | 1.6 | 2.0 | .3 | | | | | | 4.5 | 11.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.6 |
| TOTALS | .2 | 23.0 | 35.1 | 34.4 | 2.5 | .1 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.4 | 3.4 | 4.2 | .2 | | | | | | | 10.3 | 10.1 |
| NNE | | 1.7 | 2.7 | 2.7 | .5 | .1 | | | | | | 7.7 | 10.5 |
| NE | | 1.6 | 4.1 | 6.0 | 1.3 | | .1 | | | | | 13.1 | 11.8 |
| ENE | | 1.0 | 3.5 | 4.8 | .5 | | | | | | | 9.9 | 10.8 |
| E | .1 | 1.5 | 4.0 | 2.3 | | | | | | | | 7.8 | 8.9 |
| ESE | .2 | .8 | 2.6 | .5 | | | | | | | | 4.1 | 7.9 |
| SE | | .9 | 2.3 | .6 | | | | | | | | 3.8 | 8.3 |
| SSE | | .2 | 1.8 | .3 | | | | | | | | 2.4 | 9.2 |
| S | | 1.6 | 1.6 | .8 | | | | | | | | 4.0 | 7.5 |
| SSW | | 1.0 | 2.0 | 1.6 | | | | | | | | 4.6 | 9.5 |
| SW | | .8 | 3.2 | 3.5 | | | | | | | | 7.5 | 10.6 |
| WSW | | .9 | 3.3 | 3.4 | .2 | .1 | | | | | | 8.0 | 10.7 |
| W | | .6 | 2.5 | 1.5 | | | | | | | | 4.6 | 9.9 |
| WNW | | .9 | .8 | 1.0 | .2 | | | | | | | 2.8 | 10.1 |
| NW | | .8 | 1.2 | 1.0 | | | | | | | | 2.9 | 9.4 |
| NNW | | .7 | 1.8 | 1.6 | .3 | | | | | | | 4.1 | 11.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.4 | //// |
| TOTALS | .4 | 16.4 | 40.9 | 35.9 | 3.3 | .2 | .1 | | | | | 100.0 | 9.9 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS (LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 1.1 | 2.4 | 4.7 | .4 | | | | | | 8.6 | 10.7 |
| NNE | | .5 | 1.9 | 4.2 | .7 | | | | | | 7.3 | 11.9 |
| NE | | .5 | 3.6 | 6.5 | .7 | .4 | | | | | 11.7 | 12.1 |
| ENE | | .5 | 3.2 | 3.2 | | .1 | | | | | 7.1 | 10.5 |
| E | | 1.2 | 3.2 | 1.9 | | | | | | | 6.3 | 8.9 |
| ESE | | 1.3 | 3.8 | .8 | | | | | | | 5.9 | 8.2 |
| SE | | .9 | 1.9 | .5 | .3 | | | | | | 3.6 | 9.0 |
| SSE | | 1.5 | 3.2 | .5 | | | | | | | 5.2 | 7.8 |
| S | | 2.4 | 2.6 | .7 | | | | | | | 5.6 | 7.8 |
| SSW | | 1.2 | 5.0 | .4 | | | | | | | 6.6 | 8.2 |
| SW | .1 | 1.6 | 4.0 | 3.2 | | | .1 | | | | 9.1 | 9.6 |
| WSW | | .7 | 3.8 | 1.5 | | .1 | | | | | 6.0 | 9.4 |
| W | .1 | 1.1 | .8 | 2.0 | .4 | .1 | .1 | | | | 4.7 | 10.9 |
| WNW | | .8 | 1.3 | 1.2 | | | | | | | 3.4 | 9.5 |
| NW | | .4 | 1.2 | 1.2 | | | | | | | 2.8 | 10.4 |
| NNW | .1 | .2 | 1.9 | 1.2 | | | | | | | 3.5 | 9.2 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 2.4 | //// |
| TOTALS | .4 | 16.1 | 43.8 | 33.7 | 2.4 | .9 | .3 | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS: 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: OCT HOURS(LST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 1.2 | 3.3 | 1.9 | .5 | | | | | | | 6.8 | 9.6 |
| NNE | | 1.6 | 3.7 | 3.9 | .3 | .2 | | | | | | 9.6 | 10.8 |
| NE | | 1.7 | 3.4 | 4.5 | .5 | .3 | .2 | | | | | 10.6 | 11.5 |
| ENE | | .8 | 2.5 | .8 | .2 | | | | | | | 4.2 | 9.3 |
| E | | 3.6 | 1.6 | | | | | | | | | 5.1 | 5.8 |
| ESE | | 2.5 | .2 | | | | | | | | | 2.6 | 5.0 |
| SE | .2 | 1.9 | .5 | .2 | | | | | | | | 2.6 | 5.8 |
| SSE | .2 | 3.4 | 1.1 | | | | | | | | | 4.7 | 5.5 |
| S | .2 | 8.2 | 3.3 | .3 | | | | | | | | 12.0 | 6.0 |
| SSW | | 4.7 | 2.6 | .5 | | | | | | | | 7.8 | 6.7 |
| SW | | 2.8 | 2.0 | .9 | .2 | | | | | | | 5.9 | 7.8 |
| WSW | | 1.7 | .5 | .2 | | | | | | | | 2.3 | 6.1 |
| W | | 2.3 | 1.7 | .2 | .2 | | | | | | | 4.4 | 7.0 |
| WNW | | 1.9 | 1.1 | .6 | .2 | | | | | | | 3.7 | 7.4 |
| NW | | .8 | .8 | .5 | | | | | | | | 2.0 | 8.2 |
| NNW | | 1.1 | 1.1 | .5 | | | | | | | | 2.6 | 8.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.9 | //// |
| TOTALS | .5 | 40.1 | 29.2 | 14.8 | 1.9 | .5 | .2 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: OCT HOURS(IST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND | |
|------------------------|--------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|-------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | | | GE 56 |
| N | | 1.2 | 3.3 | 1.2 | .4 | | | | | | | 6.1 | 9.1 |
| NNE | | 1.6 | 2.9 | 4.5 | | | | | | | | 9.0 | 10.2 |
| NE | | 2.4 | .8 | 8.2 | .4 | .4 | | | | | | 12.2 | 12.1 |
| ENE | .8 | .8 | 1.6 | .4 | | | | | | | | 3.7 | 7.3 |
| E | .4 | 2.9 | | | | | | | | | | 3.3 | 4.4 |
| ESE | | .8 | .4 | | | | | | | | | 1.2 | 6.3 |
| SE | .4 | | | | | | | | | | | .4 | 3.0 |
| SSE | | .8 | 1.2 | | | | | | | | | 2.0 | 6.6 |
| S | .4 | 9.8 | 2.4 | | | | | | | | | 12.7 | 5.3 |
| SSW | .4 | 2.9 | 2.9 | .8 | | | | | | | | 6.9 | 6.8 |
| SW | .4 | 2.9 | 3.3 | 1.6 | | | | | | | | 8.2 | 8.0 |
| WSW | | 3.3 | .8 | .4 | | | | | | | | 4.5 | 6.4 |
| W | | 2.9 | 1.6 | | | | | | | | | 4.5 | 6.2 |
| WNW | | .8 | | .8 | | | | | | | | 1.6 | 8.5 |
| NW | | .8 | | .4 | | | | | | | | 1.2 | 8.3 |
| NNW | | | 2.4 | | | | | | | | | 2.4 | 8.2 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | 20.0 | //// | |
| TOTALS | 2.9 | 33.9 | 23.7 | 18.4 | .8 | .4 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 245

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(1ST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .0 | 2.5 | 4.1 | 3.8 | .3 | | | | | | 10.7 | 9.6 |
| NNE | .1 | 1.7 | 2.5 | 3.5 | .4 | .3 | | | | | 8.3 | 10.5 |
| NE | | 1.6 | 3.1 | 5.4 | .7 | .1 | .0 | | | | 11.0 | 11.5 |
| ENE | .0 | .9 | 2.7 | 3.2 | .2 | .3 | | | | | 7.0 | 10.5 |
| E | .0 | 1.6 | 2.4 | 1.5 | | | | | | | 5.5 | 8.6 |
| ESE | .0 | 1.0 | 1.4 | .3 | | | | | | | 2.7 | 7.5 |
| SE | .0 | .9 | 1.2 | .4 | .0 | | | | | | 2.5 | 7.9 |
| SSE | .0 | 1.2 | 1.5 | .3 | | | | | | | 3.0 | 7.3 |
| S | .1 | 3.0 | 2.0 | .4 | | | | | | | 5.5 | 6.7 |
| SSW | .0 | 1.7 | 2.3 | .7 | .0 | | | | | | 4.7 | 8.0 |
| SW | .0 | 2.1 | 3.0 | 2.4 | .1 | | .0 | | | | 7.7 | 9.1 |
| WSW | .0 | 1.7 | 2.8 | 1.5 | .0 | .0 | | | | | 6.0 | 8.8 |
| W | .0 | 1.7 | 2.3 | 1.1 | .1 | .0 | .0 | | | | 5.3 | 8.7 |
| WNW | .0 | 1.8 | 1.2 | .7 | .1 | | | | | | 3.8 | 7.8 |
| NW | .1 | .8 | 1.2 | 1.0 | .0 | | | | | | 3.2 | 9.1 |
| NNW | .0 | .7 | 1.9 | 1.3 | .1 | | | | | | 4.1 | 9.7 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 9.0 | //// |
| TOTALS | .7 | 24.7 | 35.6 | 27.5 | 2.2 | .3 | .1 | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS: 4282

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0600-0620

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 2.5 | 7.6 | 4.5 | | | | | | | 14.8 | 9.3 |
| NNE | | 2.1 | 2.9 | 2.1 | .2 | | | | | | 7.4 | 9.1 |
| NE | | 1.8 | 2.5 | 1.6 | | | | | | | 5.9 | 9.1 |
| ENE | .2 | 1.2 | 2.1 | .4 | | | | | | | 3.9 | 7.3 |
| E | .2 | 1.0 | 2.3 | .8 | .2 | | | | | | 4.5 | 8.8 |
| ESE | | .8 | .2 | .4 | | | | | | | 1.4 | 7.7 |
| SE | .2 | .8 | .2 | .4 | | | | | | | 1.6 | 7.4 |
| SSE | .2 | 1.0 | 1.2 | .2 | | | | | | | 2.5 | 7.0 |
| S | .2 | 1.8 | 1.2 | .6 | | | | | | | 3.7 | 6.9 |
| SSW | | 1.8 | 1.4 | .8 | | | | | | | 3.9 | 7.4 |
| SW | | 2.3 | 2.0 | .2 | | | | | | | 4.5 | 6.9 |
| WSW | .4 | 2.5 | 2.1 | .4 | | | | | | | 5.5 | 6.7 |
| W | | 3.1 | 3.7 | .8 | .2 | | | | | | 7.8 | 7.6 |
| WNW | .2 | 5.7 | 1.4 | .6 | | | | | | | 7.8 | 6.3 |
| NW | | .8 | 1.6 | .8 | | | | | | | 3.1 | 8.8 |
| NNW | | 1.4 | 1.8 | 1.2 | | | | | | | 4.3 | 8.7 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 17.4 | //// |
| TOTALS | 1.9 | 30.5 | 34.2 | 15.6 | .6 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 3.8 | 6.2 | 5.0 | .7 | | | | | | 15.8 | 9.6 |
| NNE | .1 | 2.7 | 3.0 | 4.0 | .4 | | | | | | 10.2 | 10.0 |
| NE | | 1.2 | 1.8 | 3.3 | .1 | | | | | | 6.4 | 10.7 |
| ENE | .1 | 1.3 | 1.9 | 1.4 | .2 | | | | | | 5.0 | 9.4 |
| E | | 1.1 | 2.8 | 2.7 | | | | | | | 6.6 | 9.6 |
| ESE | | 1.2 | 1.3 | .6 | .1 | | | | | | 3.2 | 8.3 |
| SE | | 1.1 | .9 | .4 | | | | | | | 2.4 | 7.5 |
| SSE | | .2 | .9 | .1 | | | | | | | 1.2 | 7.9 |
| S | .1 | 1.7 | 2.2 | 1.1 | | | | | | | 5.1 | 8.6 |
| SSW | .1 | .7 | 1.0 | .4 | | | | | | | 2.2 | 8.1 |
| SW | | 1.8 | 3.2 | 2.7 | | | | | | | 7.7 | 9.2 |
| WSW | | 1.4 | 1.8 | 2.1 | | | | | | | 5.3 | 9.4 |
| W | | 2.3 | 2.2 | 1.9 | .1 | | | | | | 6.6 | 8.8 |
| WNW | | 1.7 | 2.6 | 2.3 | | | | | | | 6.6 | 9.4 |
| NW | | 1.2 | 1.8 | 1.7 | | | | | | | 4.4 | 9.7 |
| NNW | | .9 | 1.6 | 2.2 | .1 | | | | | | 4.8 | 10.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 6.4 | //// |
| TOTALS | .6 | 24.1 | 35.1 | 32.0 | 1.8 | | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.0 | 5.7 | 4.3 | .3 | | | | | | | 12.4 | 9.9 |
| NNE | | 1.8 | 3.7 | 3.2 | .3 | | | | | | | 9.0 | 10.0 |
| NE | | 1.7 | 3.4 | 3.3 | .1 | | | | | | | 8.6 | 9.6 |
| ENE | .1 | .9 | 3.0 | 2.2 | .1 | | | | | | | 6.3 | 9.9 |
| E | .1 | 1.8 | 3.2 | 1.0 | .1 | | | | | | | 6.2 | 8.4 |
| ESE | .1 | 1.4 | 1.7 | 1.7 | | | | | | | | 4.9 | 8.9 |
| SE | | 1.0 | 1.6 | .9 | | | | | | | | 3.4 | 8.5 |
| SSE | | .9 | 1.0 | .1 | | | | | | | | 2.0 | 7.4 |
| S | .1 | .8 | 2.8 | 1.2 | | | | | | | | 4.9 | 8.9 |
| SSW | | .3 | 2.6 | .8 | | | | | | | | 3.7 | 9.2 |
| SW | .1 | .8 | 2.6 | 4.3 | .1 | | | | | | | 7.9 | 10.8 |
| WSW | | .9 | 3.1 | 3.1 | | | | | | | | 7.1 | 10.3 |
| W | .1 | 1.7 | 4.0 | 2.6 | | | | | | | | 8.3 | 9.2 |
| WNW | .1 | 1.3 | .8 | 2.1 | .1 | | | | | | | 4.4 | 10.2 |
| NW | | .4 | 1.2 | 1.9 | | | | | | | | 3.6 | 10.9 |
| NNW | .1 | .7 | 1.1 | 2.4 | .1 | | | | | | | 4.4 | 10.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 2.8 | //// |
| TOTALS | 1.0 | 18.3 | 41.3 | 35.2 | 1.3 | | | | | | | 100.0 | 9.4 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 1.5 | 3.9 | 4.0 | .6 | | | | | | 9.9 | 10.8 |
| NNE | .1 | .5 | 1.9 | 3.6 | .6 | | | | | | 6.7 | 11.5 |
| NE | | 1.5 | 4.2 | 3.7 | | | | | | | 9.4 | 9.5 |
| ENE | | .9 | 3.5 | 2.2 | | | | | | | 6.6 | 9.7 |
| E | | 1.2 | 2.9 | 1.0 | | | | | | | 5.1 | 8.7 |
| ESE | | 2.2 | 2.6 | .4 | | | | | | | 5.2 | 7.3 |
| SE | .1 | 2.1 | 2.0 | .1 | .1 | | | | | | 4.5 | 7.1 |
| SSE | | 1.7 | 2.0 | .2 | | | | | | | 4.0 | 7.2 |
| S | | 3.6 | 3.5 | .9 | | | | | | | 7.9 | 7.5 |
| SSW | | 1.9 | 2.1 | .7 | | | | | | | 4.7 | 7.8 |
| SW | | 2.2 | 3.2 | 1.6 | .1 | | | | | | 7.2 | 8.6 |
| WSW | | 1.4 | 1.7 | 2.2 | | | | | | | 5.3 | 9.5 |
| W | | 2.1 | 3.1 | 1.2 | | | | | | | 6.4 | 8.5 |
| WNW | .1 | 1.1 | 2.7 | 1.7 | .1 | | | | | | 5.8 | 9.5 |
| NW | | .9 | 1.2 | 1.2 | .1 | | | | | | 3.5 | 10.0 |
| NNW | | .2 | 1.6 | 1.9 | | | | | | | 3.7 | 10.6 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 4.1 | //// |
| TOTALS | .4 | 25.0 | 42.0 | 26.8 | 1.7 | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS: 867

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: NOV HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 1.9 | 4.0 | 7.8 | .3 | | | | | | 17.1 | 10.0 |
| NNE | | 2.1 | 6.2 | 2.4 | .5 | | | | | | 11.2 | 9.1 |
| NE | | 2.2 | 3.5 | 1.8 | .2 | | | | | | 7.7 | 8.7 |
| ENE | .3 | 1.3 | 2.4 | .2 | | | | | | | 4.2 | 7.2 |
| E | | 3.4 | 1.1 | .3 | | | | | | | 4.8 | 6.5 |
| ESE | | 1.4 | .3 | | | | | | | | 1.8 | 5.9 |
| SE | .2 | 3.7 | 1.0 | .3 | | | | | | | 5.1 | 5.8 |
| SSE | | 2.2 | 1.8 | .5 | | | | | | | 4.5 | 7.2 |
| S | .5 | 4.5 | 4.2 | .6 | | | | | | | 9.8 | 6.9 |
| SSW | | 2.6 | 1.1 | 1.0 | | | | | | | 4.6 | 7.2 |
| SW | | 2.7 | 1.3 | .3 | | | | | | | 4.3 | 6.6 |
| WSW | | 3.2 | .6 | .3 | | | | | | | 4.2 | 5.8 |
| W | .2 | 2.4 | 1.6 | .6 | | | | | | | 4.8 | 7.2 |
| WNW | | 1.9 | 1.8 | 1.0 | | | | | | | 4.5 | 8.5 |
| NW | | .5 | 1.9 | .3 | | | | | | | 2.7 | 7.9 |
| NNW | | .8 | 1.1 | 1.1 | | | | | | | 3.0 | 9.1 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 12.8 | //// |
| TOTALS | 1.1 | 36.6 | 33.9 | 14.6 | 1.0 | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: NOV HOURS(LST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.4 | 4.3 | 3.4 | .5 | | | | | | 10.6 | 9.8 |
| NNE | | 3.1 | 4.8 | 2.6 | .5 | | | | | | 11.1 | 9.1 |
| NE | | 3.8 | 1.9 | 2.2 | | | | | | | 7.9 | 7.8 |
| ENE | | 1.7 | 1.7 | 1.0 | | | | | | | 4.3 | 7.4 |
| E | | 1.7 | 1.2 | | | | | | | | 2.9 | 6.8 |
| ESE | .2 | 1.4 | .2 | | | | | | | | 1.9 | 5.1 |
| SE | .2 | .5 | | | | | | | | | .7 | 3.7 |
| SSE | | 1.4 | .2 | | | | | | | | 1.7 | 5.3 |
| S | .5 | 6.2 | 3.1 | .5 | | | | | | | 10.3 | 6.3 |
| SSW | | 3.8 | 2.2 | .5 | | | | | | | 6.5 | 6.9 |
| SW | | 4.3 | 1.0 | .5 | | | | | | | 5.8 | 5.9 |
| WSW | | 2.6 | .7 | .5 | .2 | | | | | | 4.1 | 6.8 |
| W | .2 | 1.4 | 2.6 | .7 | | | | | | | 5.0 | 7.8 |
| WNW | | 1.7 | 1.2 | 1.2 | | | | | | | 4.1 | 8.8 |
| NW | | .5 | 1.0 | .7 | | | | | | | 2.2 | 9.2 |
| NNW | | .7 | 2.2 | 1.9 | | | | | | | 4.8 | 10.2 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 16.1 | //// |
| TOTALS | 1.2 | 37.5 | 28.4 | 15.6 | 1.2 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS: 416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.4 | 5.3 | 4.3 | .4 | | | | | | | 12.4 | 9.9 |
| NNE | .0 | 1.9 | 3.6 | 3.1 | .4 | | | | | | | 9.2 | 9.8 |
| NE | | 1.9 | 3.0 | 2.8 | .1 | | | | | | | 7.7 | 9.4 |
| ENE | .1 | 1.2 | 2.5 | 1.4 | .1 | | | | | | | 5.3 | 9.0 |
| E | .0 | 1.7 | 2.4 | 1.1 | .0 | | | | | | | 5.3 | 8.5 |
| ESE | .0 | 1.5 | 1.2 | .6 | .0 | | | | | | | 3.4 | 7.8 |
| SE | .1 | 1.6 | 1.1 | .4 | .0 | | | | | | | 3.2 | 7.1 |
| SSE | .0 | 1.2 | 1.2 | .2 | | | | | | | | 2.6 | 7.2 |
| S | .2 | 2.7 | 2.8 | .9 | | | | | | | | 6.7 | 7.5 |
| SSW | .0 | 1.6 | 1.7 | .7 | | | | | | | | 4.0 | 7.4 |
| SW | .0 | 2.1 | 2.4 | 1.9 | .0 | | | | | | | 6.5 | 6.1 |
| WSW | .0 | 1.8 | 1.8 | 1.7 | .0 | | | | | | | 5.4 | 5.1 |
| W | .1 | 2.2 | 2.9 | 1.5 | .0 | | | | | | | 6.7 | 5.1 |
| WNW | .1 | 2.0 | 1.8 | 1.6 | .0 | | | | | | | 5.5 | 5.1 |
| NW | | .7 | 1.5 | 1.2 | .0 | | | | | | | 3.4 | 5.1 |
| NNW | .0 | .7 | 1.5 | 1.9 | .0 | | | | | | | 4.1 | 5.1 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | | |
| TOTALS | .9 | 27.0 | 36.8 | 25.4 | 1.3 | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: 4160

AD-A190 725

ELIZABETH CITY NORTH CAROLINA LIMITED SURFACE

2/3

OBSERVATIONS CLIMATIC SUMMA (U) AIR FORCE

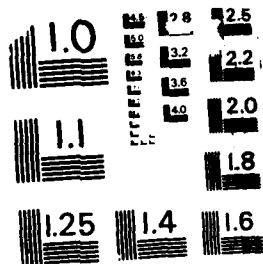
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NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0600-0800

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 2.5 | 7.7 | 5.0 | .2 | .4 | | | | | 16.0 | 10.1 |
| NNE | .2 | 1.5 | 1.7 | 2.5 | .2 | .2 | | | | | 6.4 | 10.6 |
| NE | | 1.4 | 1.0 | .8 | .4 | | | | | | 3.5 | 9.0 |
| ENE | | .4 | .2 | .4 | .8 | | | | | | 1.7 | 12.9 |
| E | | .6 | 1.0 | .4 | | | | | | | 1.9 | 7.9 |
| ESE | | .8 | .6 | .2 | | | | | | | 1.5 | 7.9 |
| SE | | .4 | .4 | .4 | | | | | | | 1.2 | 9.0 |
| SSE | | .6 | | .2 | | | | | | | .8 | 6.5 |
| S | .2 | 2.3 | 1.4 | .2 | | | | | | | 4.1 | 6.7 |
| SSW | | 2.1 | 1.2 | | .2 | | | | | | 3.5 | 6.7 |
| SW | .2 | 5.4 | 3.5 | 2.3 | | | | | | | 11.4 | 7.7 |
| WSW | | 2.5 | 1.9 | 1.7 | | | | | | | 6.2 | 8.3 |
| W | | 2.7 | 1.7 | 1.5 | | | | | | | 6.0 | 8.3 |
| WNW | | 5.4 | 2.7 | 1.2 | | | | | | | 9.3 | 7.0 |
| NW | | 2.1 | 1.7 | 1.0 | | | | | | | 4.8 | 7.4 |
| NNW | | 1.4 | 2.3 | 1.7 | .6 | | | | | | 6.0 | 9.9 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 15.8 | //// |
| TOTALS | .8 | 32.0 | 29.0 | 19.5 | 2.3 | .6 | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS: 518

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): 0900-1100

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 4.8 | 6.4 | 6.9 | .9 | .4 | | | | | 19.5 | 10.2 |
| NNE | | 2.5 | 2.1 | 3.3 | .2 | .2 | | | | | 8.3 | 10.1 |
| NE | | 1.5 | 2.1 | 1.7 | .2 | | | | | | 5.5 | 9.6 |
| ENE | | .8 | 1.2 | .9 | .1 | .2 | | | | | 3.1 | 10.5 |
| E | | 1.5 | 1.0 | .4 | | | | | | | 2.9 | 7.0 |
| ESE | .1 | .8 | 1.1 | .3 | | | | | | | 2.3 | 8.0 |
| SE | .1 | .7 | .7 | .2 | .1 | | | | | | 1.7 | 8.2 |
| SSE | .1 | .5 | .9 | .2 | | | | | | | 1.7 | 7.9 |
| S | | 1.8 | 1.7 | .2 | | | | | | | 3.8 | 6.9 |
| SSW | .1 | 1.4 | 1.8 | 1.5 | | | | | | | 4.9 | 8.9 |
| SW | | 2.7 | 2.7 | 3.4 | | | | | | | 8.8 | 9.5 |
| WSW | | 2.5 | 2.2 | 2.1 | .2 | | | | | | 6.9 | 9.0 |
| W | .1 | 2.3 | 3.1 | 2.8 | .1 | | | | | | 8.5 | 9.3 |
| WNW | | 1.7 | 1.5 | 2.4 | | | | | | | 5.6 | 9.8 |
| NW | | .3 | 1.1 | 2.2 | .5 | | | | | | 4.1 | 12.2 |
| NNW | .1 | .9 | 1.7 | 2.0 | .8 | | | | | | 5.4 | 11.4 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 6.7 | //// |
| TOTALS | .8 | 26.7 | 31.3 | 30.5 | 3.1 | .9 | | | | | 100.0 | 9.0 |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .2 | 3.0 | 4.7 | 6.4 | .9 | .3 | | | | | 15.5 | 10.7 |
| NNE | .1 | 1.8 | 2.2 | 3.5 | .3 | .1 | | | | | 8.0 | 10.3 |
| NE | | 1.7 | 3.1 | 2.0 | .1 | | | | | | 6.9 | 9.2 |
| ENE | | 1.7 | 1.7 | 2.1 | .2 | .1 | | | | | 5.9 | 9.7 |
| E | .1 | .7 | .9 | .1 | | | | | | | 1.7 | 7.1 |
| ESE | .1 | 1.0 | .9 | .1 | | | | | | | 2.1 | 7.2 |
| SE | | .7 | 1.4 | .4 | .3 | | | | | | 2.8 | 9.3 |
| SSE | | .7 | .8 | .1 | | | | | | | 1.5 | 7.1 |
| S | | .4 | 1.6 | .9 | | | | | | | 2.9 | 9.1 |
| SSW | .1 | 1.3 | 1.8 | .8 | .1 | | | | | | 4.1 | 8.6 |
| SW | | 1.8 | 3.9 | 6.4 | .2 | | | | | | 12.4 | 10.5 |
| WSW | | 1.4 | 3.0 | 2.9 | .2 | | | | | | 7.6 | 9.9 |
| W | | 1.4 | 2.7 | 2.7 | .1 | | | | | | 6.9 | 10.0 |
| WNW | | 1.5 | 2.1 | 3.3 | .4 | | | | | | 7.3 | 10.5 |
| NW | | .4 | 1.3 | 2.6 | .5 | | | | | | 4.9 | 12.0 |
| NNW | | .3 | 1.2 | 2.3 | .7 | | | | | | 4.5 | 12.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.9 |
| TOTALS | .7 | 20.0 | 33.3 | 36.5 | 4.1 | .5 | | | | | 100.0 | 9.6 |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | | 2.2 | 3.3 | 6.2 | .8 | | | | | | | 12.5 | 11.0 |
| NNE | | .7 | 2.8 | 3.5 | .2 | | | | | | | 7.3 | 11.0 |
| NE | | .7 | 3.3 | 1.8 | .1 | | | | | | | 5.9 | 9.7 |
| ENE | .1 | 1.2 | 2.8 | 1.6 | | .1 | | | | | | 5.8 | 9.5 |
| E | | 1.0 | 1.3 | .2 | | | | | | | | 2.5 | 7.6 |
| ESE | | 1.3 | 1.0 | .2 | | | | | | | | 2.5 | 6.4 |
| SE | | 2.2 | 1.0 | .5 | | | | | | | | 3.6 | 6.7 |
| SSE | | 1.3 | 1.2 | | | | | | | | | 2.5 | 6.8 |
| S | | 2.9 | 2.1 | .6 | | | | | | | | 5.6 | 7.3 |
| SSW | | 2.3 | 3.3 | .8 | | | | | | | | 6.4 | 8.0 |
| SW | | 2.3 | 4.6 | 2.7 | .1 | | | | | | | 9.7 | 9.2 |
| WSW | .1 | 1.5 | 2.9 | 2.1 | | | | | | | | 6.5 | 9.2 |
| W | | 1.9 | 2.1 | 1.6 | | | | | | | | 5.6 | 8.6 |
| WNW | | 2.2 | 4.0 | 2.2 | | | | | | | | 8.3 | 9.1 |
| NW | | .8 | 2.7 | 1.9 | .1 | .2 | | | | | | 5.8 | 10.4 |
| NNW | | 1.3 | 1.1 | 1.2 | .1 | | | | | | | 3.7 | 9.5 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 5.7 | //// |
| TOTALS | .2 | 25.9 | 39.2 | 27.1 | 1.6 | .4 | | | | | | 100.0 | 8.7 |

TOTAL NUMBER OF OBSERVATIONS: 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: DEC HOURS(IST): 1800-2000

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .3 | 2.4 | 5.5 | 4.2 | .2 | | | | | | 12.6 | 9.5 |
| NNE | | 1.6 | 5.3 | 2.8 | .2 | | | | | | 9.9 | 9.5 |
| NE | | 2.0 | 2.4 | .8 | .3 | .3 | | | | | 5.8 | 9.1 |
| ENE | | 1.4 | .8 | .3 | | | | | | | 2.5 | 6.9 |
| E | | 1.1 | .2 | .2 | | | | | | | 1.4 | 6.0 |
| ESE | | .8 | .2 | .3 | | | | | | | 1.3 | 7.6 |
| SE | .2 | .5 | .5 | | | | | | | | 1.1 | 5.3 |
| SSE | | 1.9 | .8 | | | | | | | | 2.7 | 5.9 |
| S | | 5.0 | 3.6 | 1.1 | | | | | | | 9.7 | 7.2 |
| SSW | .2 | 2.5 | 2.4 | .9 | | | | | | | 6.0 | 7.9 |
| SW | | 3.9 | 2.2 | .2 | | | | | | | 6.3 | 6.8 |
| WSW | .2 | 2.0 | 1.7 | .9 | | | | | | | 4.9 | 7.4 |
| W | .2 | 4.1 | 1.1 | .3 | .2 | | | | | | 5.8 | 6.3 |
| WNW | | 3.1 | 2.0 | .8 | | | | | | | 6.0 | 7.1 |
| NW | | 2.0 | 1.3 | .3 | | | | | | | 3.6 | 7.4 |
| NNW | | 1.7 | 1.7 | 1.4 | .2 | | | | | | 5.0 | 8.8 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 15.4 | //// |
| TOTALS | .9 | 36.2 | 31.6 | 14.6 | .9 | .3 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: DEC HOURS(IST): 2100-2300

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | | 2.8 | 8.6 | 2.1 | .5 | .2 | | | | | 14.3 | 9.3 |
| NNE | | 1.9 | 3.3 | 3.3 | .2 | | | | | | 8.6 | 9.7 |
| NE | | 1.6 | .5 | .9 | .2 | | | | | | 3.3 | 8.6 |
| ENE | | .9 | .2 | .2 | .5 | | | | | | 1.9 | 9.5 |
| E | | .2 | .2 | | | | | | | | .5 | 6.5 |
| ESE | | .5 | .5 | | .2 | | | | | | 1.2 | 8.4 |
| SE | .2 | .5 | .7 | .2 | | | | | | | 1.6 | 7.1 |
| SSE | | .9 | .5 | | | | | | | | 1.4 | 6.3 |
| S | | 4.0 | 2.8 | .9 | | | | | | | 7.7 | 7.6 |
| SSW | | 1.9 | 3.0 | .9 | | | | | | | 5.8 | 8.0 |
| SW | | 3.3 | 3.7 | 1.4 | | | | | | | 8.4 | 8.1 |
| WSW | .2 | 3.5 | .5 | .7 | | | | | | | 4.9 | 6.4 |
| W | | 4.7 | 1.9 | .7 | | | | | | | 7.2 | 6.3 |
| WNW | | 3.3 | 2.6 | 1.9 | | | | | | | 7.7 | 8.1 |
| NW | | 1.4 | 1.4 | .5 | | | | | | | 3.3 | 7.9 |
| NNW | | 1.9 | 2.6 | 1.2 | | | | | | | 5.6 | 8.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 16.6 | //// |
| TOTALS | .5 | 33.2 | 32.9 | 15.0 | 1.6 | .2 | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS: 1511: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 3.1 | 5.7 | 5.6 | .6 | .2 | | | | | 15.3 | 10.3 |
| NNE | .0 | 1.7 | 2.8 | 3.2 | .2 | .1 | | | | | 8.1 | 10.2 |
| NE | | 1.5 | 2.3 | 1.5 | .2 | .0 | | | | | 5.5 | 9.3 |
| ENE | .0 | 1.1 | 1.3 | 1.1 | .2 | .1 | | | | | 3.9 | 9.7 |
| E | .0 | .9 | .8 | .2 | | | | | | | 2.0 | 7.1 |
| ESE | .0 | .9 | .8 | .2 | .0 | | | | | | 1.9 | 7.4 |
| SE | .1 | .9 | .8 | .3 | .1 | | | | | | 2.2 | 7.8 |
| SSE | .0 | 1.0 | .8 | .1 | | | | | | | 1.8 | 6.8 |
| S | .0 | 2.5 | 2.1 | .6 | | | | | | | 5.3 | 7.4 |
| SSW | .1 | 1.9 | 2.2 | .9 | .0 | | | | | | 5.1 | 8.2 |
| SW | .0 | 3.0 | 3.5 | 3.1 | .1 | | | | | | 9.6 | 9.1 |
| WSW | .1 | 2.1 | 2.2 | 1.9 | .1 | | | | | | 6.4 | 8.8 |
| W | .0 | 2.6 | 2.2 | 1.8 | .1 | | | | | | 6.8 | 8.5 |
| WNW | | 2.6 | 2.4 | 2.1 | .1 | | | | | | 7.2 | 8.8 |
| NW | | 1.0 | 1.6 | 1.6 | .3 | .3 | | | | | 4.5 | 10.2 |
| NNW | .2 | 1.1 | 1.6 | 1.7 | .4 | | | | | | 4.9 | 10.3 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 9.5 | //// |
| TOTALS | .6 | 27.4 | 33.2 | 25.9 | 2.5 | .5 | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS: 4251

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS (LST): ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | |
| N | .1 | 2.0 | 4.0 | 3.4 | .4 | .1 | .0 | .0 | .0 | | 9.9 | 10.1 |
| NNE | .0 | 1.4 | 2.6 | 2.5 | .3 | .1 | .0 | .0 | | | 6.9 | 10.2 |
| NE | .0 | 1.4 | 2.8 | 2.8 | .2 | .0 | .0 | | | | 7.2 | 10.1 |
| ENE | .0 | 1.1 | 3.0 | 2.2 | .1 | .0 | .0 | .0 | | | 6.5 | 9.8 |
| E | .0 | 1.7 | 2.7 | 1.0 | .0 | | .0 | | | | 5.4 | 8.3 |
| ESE | .0 | 1.4 | 1.9 | .5 | .0 | | | | | | 3.9 | 7.8 |
| SE | .0 | 1.2 | 1.7 | .8 | .0 | .0 | | | | | 3.8 | 8.3 |
| SSE | .0 | 1.2 | 1.4 | .4 | .0 | | | | | | 3.2 | 7.7 |
| S | .1 | 2.6 | 2.9 | 1.2 | .1 | .0 | | | | | 6.9 | 8.1 |
| SSW | .0 | 1.5 | 2.7 | 1.4 | .1 | .0 | .0 | | | | 5.6 | 8.9 |
| SW | .0 | 2.0 | 3.5 | 3.0 | .1 | .0 | .0 | .0 | | | 8.7 | 9.5 |
| WSW | .1 | 1.7 | 3.0 | 2.0 | .1 | .0 | | .0 | | | 6.8 | 9.1 |
| W | .1 | 2.0 | 2.9 | 1.6 | .1 | .0 | .0 | | | | 6.7 | 8.6 |
| WNW | .0 | 1.7 | 1.9 | 1.2 | .1 | .0 | .0 | | | | 4.9 | 8.7 |
| NW | .0 | .7 | 1.3 | 1.0 | .1 | .0 | | | | | 3.1 | 9.6 |
| NNW | .0 | .7 | 1.3 | 1.3 | .1 | .0 | | | | | 3.5 | 10.0 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 6.9 | //// |
| TOTALS | .7 | 24.4 | 39.4 | 26.4 | 1.8 | .3 | .0 | .0 | .0 | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS: 51786

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND |
|------------------------|----------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | GE 56 | | |
| N | .1 | 2.5 | 5.9 | 5.4 | .9 | .3 | .1 | .0 | .0 | | | 15.2 | 10.8 |
| NNE | .0 | 1.5 | 3.5 | 5.0 | .6 | .2 | .0 | .0 | | | | 11.0 | 11.3 |
| NE | .0 | 1.4 | 3.3 | 3.7 | .4 | .2 | .0 | | | | | 8.9 | 10.8 |
| ENE | .0 | 1.2 | 2.4 | 2.3 | .3 | .1 | .0 | .0 | | | | 6.5 | 10.5 |
| E | .0 | 1.6 | 2.2 | 1.3 | .1 | | .0 | | | | | 5.3 | 8.9 |
| ESE | .0 | 1.1 | 1.1 | .6 | .1 | | | | | | | 2.9 | 8.2 |
| SE | .0 | .8 | 1.1 | .7 | .1 | .0 | | | | | | 2.6 | 9.3 |
| SSE | .0 | .8 | .8 | .7 | .1 | | | | | | | 2.3 | 8.9 |
| S | .0 | 1.5 | 2.1 | 1.1 | .0 | .3 | | | | | | 4.8 | 8.6 |
| SSW | .0 | 1.2 | 1.3 | 1.0 | .0 | | | | | | | 3.6 | 8.7 |
| SW | .0 | 1.8 | 2.3 | 1.2 | .1 | | | | | | | 5.4 | 8.5 |
| WSW | .0 | 1.9 | 2.2 | .9 | | .0 | | | | | | 5.1 | 8.0 |
| W | .1 | 2.3 | 2.1 | 1.0 | .0 | .3 | | | | | | 5.6 | 7.9 |
| WNW | .0 | 2.1 | 1.3 | .7 | .1 | .1 | .0 | | | | | 4.3 | 8.0 |
| NW | .0 | 1.2 | 1.2 | .8 | .0 | .0 | | | | | | 3.3 | 8.7 |
| NNW | .0 | 1.0 | 1.8 | 1.4 | .2 | | | | | | | 4.4 | 9.6 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.9 | //// |
| TOTALS | .6 | 23.8 | 34.7 | 27.8 | 3.1 | .9 | .2 | .1 | .0 | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS: 7333

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

| | | |
|-----------|---|-------|
| CLEAR | - | 0/10 |
| SCATTERED | - | 3/10 |
| BROKEN | - | 9/10 |
| OVERCAST | - | 10/10 |
| OBSCURED | - | 10/10 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 21.8 | 38.5 | 42.0 | 43.5 | 47.1 | 47.9 | 48.5 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.2 | 49.4 |
| GE 20000 | 23.9 | 42.7 | 46.4 | 47.9 | 51.9 | 52.9 | 53.4 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.2 | 54.4 |
| GE 18000 | 23.9 | 42.7 | 46.4 | 47.9 | 51.9 | 52.9 | 53.4 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.2 | 54.4 |
| GE 16000 | 23.9 | 42.7 | 46.4 | 47.9 | 51.9 | 52.9 | 53.4 | 53.8 | 53.8 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.2 | 54.4 |
| GE 14000 | 24.4 | 43.5 | 47.1 | 48.9 | 52.9 | 53.8 | 54.4 | 54.8 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 | 55.3 |
| GE 12000 | 24.4 | 43.7 | 47.3 | 49.0 | 53.1 | 54.0 | 54.6 | 55.0 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.3 | 55.5 |
| GE 10000 | 25.4 | 45.6 | 49.6 | 51.7 | 56.1 | 57.1 | 57.8 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.8 |
| GE 9000 | 25.4 | 45.6 | 49.6 | 51.7 | 56.1 | 57.1 | 57.8 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.8 |
| GE 8000 | 25.6 | 46.0 | 50.4 | 52.7 | 57.1 | 58.0 | 58.8 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.7 |
| GE 7000 | 25.6 | 46.6 | 51.0 | 53.2 | 57.6 | 58.6 | 59.4 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.1 | 60.3 |
| GE 6000 | 26.1 | 47.9 | 52.9 | 55.3 | 59.9 | 60.9 | 61.6 | 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.4 | 62.6 |
| GE 5000 | 26.9 | 50.2 | 55.3 | 58.0 | 62.6 | 63.7 | 64.5 | 65.1 | 65.1 | 65.3 | 65.3 | 65.3 | 65.5 | 65.5 | 65.6 | 65.8 |
| GE 4500 | 27.1 | 51.3 | 56.7 | 59.4 | 63.9 | 65.1 | 65.8 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 | 67.0 | 67.2 |
| GE 4000 | 27.3 | 52.1 | 57.8 | 60.7 | 65.6 | 67.2 | 67.9 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 69.1 | 69.3 |
| GE 3500 | 27.5 | 52.5 | 58.4 | 61.8 | 66.8 | 68.5 | 69.3 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.2 | 70.2 | 70.4 | 70.6 |
| GE 3000 | 27.7 | 53.8 | 60.5 | 63.9 | 69.1 | 71.4 | 72.3 | 72.9 | 72.9 | 73.1 | 73.1 | 73.1 | 73.3 | 73.3 | 73.5 | 73.7 |
| GE 2500 | 27.7 | 54.2 | 61.1 | 64.9 | 70.4 | 72.9 | 74.0 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.2 | 75.4 |
| GE 2000 | 27.7 | 54.4 | 61.5 | 65.5 | 71.6 | 74.2 | 75.6 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.5 | 76.5 | 76.7 | 76.9 |
| GE 1800 | 27.7 | 54.4 | 61.5 | 65.5 | 71.6 | 74.2 | 75.6 | 76.1 | 76.1 | 76.3 | 76.3 | 76.5 | 76.7 | 76.7 | 76.9 | 77.1 |
| GE 1500 | 27.7 | 55.0 | 62.2 | 66.4 | 73.5 | 76.7 | 78.4 | 79.0 | 79.0 | 79.4 | 79.4 | 79.6 | 79.8 | 79.8 | 80.0 | 80.2 |
| GE 1200 | 27.7 | 55.3 | 62.8 | 67.0 | 74.0 | 77.5 | 79.4 | 80.2 | 80.2 | 80.5 | 80.5 | 80.7 | 80.9 | 80.9 | 81.1 | 81.3 |
| GE 1000 | 27.7 | 55.7 | 63.4 | 67.6 | 76.0 | 80.0 | 82.1 | 83.0 | 83.0 | 83.6 | 83.8 | 83.8 | 84.0 | 84.0 | 84.2 | 84.4 |
| GE 900 | 27.7 | 55.9 | 63.5 | 67.7 | 76.3 | 80.3 | 82.4 | 83.4 | 83.4 | 84.0 | 84.2 | 84.2 | 84.4 | 84.4 | 84.5 | 84.7 |
| GE 800 | 27.7 | 56.3 | 64.1 | 68.5 | 77.1 | 81.3 | 83.8 | 85.1 | 85.1 | 85.9 | 86.1 | 86.1 | 86.3 | 86.3 | 86.5 | 86.6 |
| GE 700 | 27.7 | 57.1 | 65.3 | 69.7 | 78.4 | 82.6 | 85.3 | 86.6 | 86.6 | 87.4 | 87.6 | 87.6 | 87.8 | 87.8 | 88.0 | 88.2 |
| GE 600 | 27.7 | 57.3 | 65.6 | 70.2 | 79.2 | 83.6 | 86.8 | 88.2 | 88.2 | 88.9 | 89.1 | 89.1 | 89.3 | 89.3 | 89.5 | 89.7 |
| GE 500 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 85.5 | 88.9 | 91.0 | 91.0 | 92.2 | 92.4 | 92.4 | 92.6 | 92.6 | 92.7 | 92.9 |
| GE 400 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 85.9 | 89.3 | 91.8 | 91.8 | 93.1 | 93.3 | 93.3 | 93.7 | 93.7 | 93.9 | 94.1 |
| GE 300 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 86.1 | 89.5 | 92.6 | 92.6 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 | 94.7 |
| GE 200 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 86.1 | 89.5 | 92.6 | 92.6 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.5 | 94.7 |
| GE 100 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 86.1 | 89.5 | 92.7 | 92.9 | 94.8 | 96.2 | 96.2 | 96.8 | 97.3 | 97.7 | 98.3 |
| GE 0 | 27.7 | 57.6 | 66.2 | 71.4 | 80.7 | 86.1 | 89.5 | 92.7 | 92.9 | 95.0 | 96.4 | 96.4 | 96.9 | 97.5 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 0900-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 34.0 | 43.7 | 46.1 | 48.1 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| GE 20000 | 37.6 | 50.1 | 53.3 | 55.5 | 56.9 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 18000 | 37.6 | 50.1 | 53.3 | 55.5 | 56.9 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 16000 | 37.6 | 50.1 | 53.3 | 55.5 | 56.9 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| GE 14000 | 37.7 | 50.3 | 53.8 | 55.9 | 57.3 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| GE 12000 | 38.0 | 51.2 | 54.8 | 56.9 | 58.3 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| GE 10000 | 39.2 | 53.2 | 57.1 | 59.4 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 9000 | 39.2 | 53.2 | 57.1 | 59.4 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 8000 | 39.8 | 55.7 | 60.4 | 62.9 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 7000 | 40.1 | 56.6 | 61.2 | 63.7 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 6000 | 40.2 | 57.1 | 61.8 | 64.3 | 66.6 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 5000 | 40.4 | 58.4 | 63.4 | 66.0 | 68.5 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 4500 | 40.6 | 59.1 | 64.1 | 66.8 | 69.3 | 69.9 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 4000 | 40.6 | 60.2 | 65.3 | 68.3 | 71.0 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 3500 | 41.0 | 60.7 | 66.1 | 69.1 | 71.8 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 3000 | 41.0 | 62.0 | 67.8 | 71.0 | 74.6 | 75.4 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 2500 | 41.1 | 62.5 | 68.7 | 72.0 | 76.0 | 76.9 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 2000 | 41.5 | 63.3 | 69.8 | 73.7 | 77.9 | 78.9 | 79.3 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 1800 | 41.5 | 63.3 | 69.8 | 73.8 | 78.2 | 79.3 | 79.6 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 1500 | 41.6 | 63.8 | 70.4 | 74.7 | 79.3 | 80.7 | 81.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 1200 | 41.8 | 64.8 | 71.7 | 76.1 | 80.9 | 82.5 | 83.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1000 | 42.0 | 65.7 | 72.6 | 77.0 | 82.4 | 84.1 | 84.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 900 | 42.0 | 65.9 | 73.0 | 77.6 | 83.2 | 84.9 | 85.5 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 800 | 42.0 | 66.0 | 73.1 | 78.2 | 83.8 | 85.9 | 86.7 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 700 | 42.0 | 66.3 | 73.4 | 78.6 | 84.7 | 86.9 | 87.8 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 600 | 42.0 | 66.4 | 73.5 | 78.7 | 85.1 | 87.6 | 88.7 | 90.6 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 500 | 42.0 | 66.4 | 73.7 | 78.9 | 85.4 | 88.1 | 89.8 | 92.5 | 92.8 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 |
| GE 400 | 42.0 | 66.4 | 73.7 | 79.0 | 85.6 | 88.3 | 90.1 | 93.2 | 93.4 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 95.1 | 95.1 |
| GE 300 | 42.0 | 66.4 | 73.7 | 79.0 | 85.7 | 88.6 | 90.4 | 93.7 | 94.1 | 95.5 | 95.7 | 95.7 | 96.0 | 96.2 | 96.7 | 96.7 |
| GE 200 | 42.0 | 66.4 | 73.7 | 79.0 | 85.7 | 88.7 | 90.6 | 94.3 | 94.7 | 96.5 | 96.8 | 96.8 | 97.1 | 97.4 | 98.2 | 98.3 |
| GE 100 | 42.0 | 66.4 | 73.7 | 79.0 | 85.7 | 88.7 | 90.6 | 94.4 | 95.0 | 97.0 | 97.2 | 97.2 | 97.5 | 97.8 | 98.6 | 98.8 |
| GE 0 | 42.0 | 66.4 | 73.7 | 79.0 | 85.7 | 88.7 | 90.6 | 94.4 | 95.0 | 97.2 | 97.6 | 97.6 | 98.2 | 98.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 39.1 | 45.7 | 46.8 | 47.2 | 47.8 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GE 20000 | 44.7 | 54.0 | 55.1 | 55.8 | 56.3 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| GE 18000 | 44.7 | 54.0 | 55.1 | 55.8 | 56.3 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| GE 16000 | 44.7 | 54.0 | 55.1 | 55.8 | 56.3 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| GE 14000 | 45.3 | 54.9 | 56.2 | 56.9 | 57.4 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| GE 12000 | 45.5 | 55.5 | 56.8 | 57.5 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 10000 | 48.1 | 59.6 | 61.4 | 62.4 | 63.1 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 9700 | 48.1 | 59.7 | 61.5 | 62.5 | 63.2 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 8000 | 49.3 | 62.2 | 64.2 | 65.3 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 7000 | 49.3 | 62.5 | 64.6 | 65.7 | 66.3 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 6000 | 49.7 | 63.5 | 65.5 | 66.6 | 67.3 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 5000 | 50.5 | 65.3 | 67.4 | 68.8 | 69.6 | 69.7 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 4500 | 50.6 | 65.7 | 67.8 | 69.3 | 70.1 | 70.2 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 4000 | 51.9 | 68.1 | 70.5 | 72.2 | 73.1 | 73.5 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 3500 | 52.1 | 69.3 | 71.7 | 73.3 | 74.6 | 75.0 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 3000 | 52.9 | 71.6 | 74.3 | 76.4 | 77.9 | 78.2 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 2500 | 53.5 | 72.6 | 75.3 | 77.5 | 79.3 | 79.6 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 2000 | 54.0 | 73.9 | 76.7 | 79.0 | 80.9 | 81.4 | 82.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1800 | 54.1 | 74.1 | 77.0 | 79.3 | 81.3 | 81.7 | 82.3 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 1500 | 54.2 | 75.1 | 78.2 | 80.6 | 82.8 | 83.4 | 84.3 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 1200 | 54.4 | 75.7 | 79.0 | 81.5 | 84.0 | 84.7 | 85.7 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 1000 | 54.6 | 76.2 | 79.4 | 81.9 | 84.6 | 85.6 | 86.6 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 900 | 54.6 | 76.3 | 79.5 | 82.3 | 85.0 | 86.2 | 87.3 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 800 | 54.6 | 76.4 | 79.8 | 82.7 | 85.7 | 86.9 | 88.0 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 700 | 54.6 | 76.6 | 80.5 | 84.0 | 87.1 | 88.4 | 89.8 | 90.7 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 600 | 54.6 | 76.7 | 80.6 | 84.1 | 87.5 | 89.1 | 90.6 | 91.4 | 91.4 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 500 | 54.6 | 76.7 | 80.9 | 84.4 | 88.1 | 89.8 | 92.1 | 93.6 | 93.7 | 94.8 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 400 | 54.6 | 76.8 | 81.0 | 84.5 | 88.3 | 90.1 | 92.6 | 94.4 | 94.7 | 95.9 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 300 | 54.6 | 76.9 | 81.1 | 84.6 | 88.7 | 90.7 | 93.3 | 95.4 | 95.8 | 97.2 | 97.5 | 97.5 | 97.7 | 97.8 | 97.9 | 97.9 |
| GE 200 | 54.6 | 76.9 | 81.1 | 84.6 | 88.8 | 90.9 | 93.5 | 95.7 | 96.0 | 97.6 | 98.0 | 98.0 | 98.4 | 98.5 | 98.7 | 98.7 |
| GE 100 | 54.6 | 76.9 | 81.1 | 84.6 | 88.8 | 90.9 | 93.5 | 95.8 | 96.2 | 97.9 | 98.4 | 98.4 | 98.7 | 98.8 | 99.2 | 99.2 |
| GE 0 | 54.6 | 76.9 | 81.1 | 84.6 | 88.8 | 90.9 | 93.5 | 95.8 | 96.2 | 97.9 | 98.6 | 98.6 | 98.9 | 99.0 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 40.8 | 47.5 | 48.0 | 48.6 | 49.1 | 49.1 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| GE 20000 | 45.6 | 53.8 | 54.4 | 55.1 | 55.7 | 55.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 18000 | 45.6 | 53.8 | 54.4 | 55.1 | 55.7 | 55.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| GE 16000 | 45.6 | 53.9 | 54.5 | 55.2 | 55.9 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 14000 | 46.9 | 55.6 | 56.2 | 56.9 | 57.5 | 57.5 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 12000 | 47.9 | 56.8 | 57.5 | 58.3 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 10000 | 51.6 | 61.8 | 63.1 | 64.1 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 9000 | 52.0 | 62.1 | 63.4 | 64.4 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 8000 | 53.8 | 64.5 | 66.0 | 67.1 | 67.7 | 67.7 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 7000 | 54.0 | 65.0 | 66.6 | 67.7 | 68.3 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 6000 | 54.5 | 66.0 | 67.6 | 68.6 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 5000 | 56.2 | 69.1 | 70.9 | 72.1 | 73.0 | 73.0 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 4500 | 56.3 | 69.5 | 71.3 | 72.5 | 73.3 | 73.3 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 4000 | 57.1 | 71.2 | 73.0 | 74.2 | 75.2 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 3500 | 57.8 | 72.7 | 74.5 | 76.0 | 77.0 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 3000 | 58.7 | 74.4 | 76.8 | 78.8 | 79.7 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 2500 | 59.1 | 75.5 | 78.0 | 80.1 | 81.1 | 81.2 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 2000 | 59.2 | 76.0 | 78.6 | 80.7 | 81.9 | 82.1 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 1800 | 59.2 | 76.0 | 78.6 | 80.8 | 82.3 | 82.5 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 1500 | 59.2 | 76.4 | 79.3 | 81.8 | 83.5 | 84.1 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 1200 | 59.3 | 77.1 | 80.2 | 82.9 | 84.8 | 85.6 | 86.1 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 1000 | 59.3 | 77.2 | 80.6 | 83.5 | 85.5 | 86.5 | 87.1 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 900 | 59.3 | 77.2 | 80.6 | 83.6 | 86.0 | 87.0 | 87.6 | 88.2 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 800 | 59.3 | 77.4 | 80.8 | 83.8 | 86.2 | 87.3 | 87.9 | 88.7 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 700 | 59.3 | 77.7 | 81.1 | 84.1 | 86.9 | 88.2 | 88.9 | 89.7 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 600 | 59.3 | 77.8 | 81.3 | 84.3 | 87.6 | 89.0 | 89.7 | 90.8 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 500 | 59.3 | 77.9 | 81.7 | 84.9 | 88.3 | 90.2 | 91.6 | 93.1 | 93.2 | 93.6 | 93.7 | 93.7 | 93.7 | 94.0 | 94.0 | 94.0 |
| GE 400 | 59.3 | 78.0 | 81.9 | 85.2 | 88.8 | 91.0 | 92.8 | 95.2 | 95.5 | 96.0 | 96.1 | 96.1 | 96.1 | 96.7 | 96.9 | 96.9 |
| GE 300 | 59.3 | 78.2 | 82.0 | 85.3 | 89.0 | 91.3 | 93.2 | 95.8 | 96.1 | 97.0 | 97.3 | 97.3 | 97.3 | 97.9 | 98.1 | 98.1 |
| GE 200 | 59.3 | 78.2 | 82.1 | 85.4 | 89.1 | 91.4 | 93.5 | 96.0 | 96.4 | 97.5 | 98.2 | 98.2 | 98.2 | 99.2 | 99.3 | 99.5 |
| GE 100 | 59.3 | 78.2 | 82.1 | 85.4 | 89.1 | 91.4 | 93.5 | 96.0 | 96.4 | 97.5 | 98.4 | 98.4 | 98.4 | 99.4 | 99.5 | 99.9 |
| GE 0 | 59.3 | 78.2 | 82.1 | 85.4 | 89.1 | 91.4 | 93.5 | 96.0 | 96.4 | 97.5 | 98.4 | 98.4 | 98.4 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83.87

MONTH: JAN HOURS(LST): 1800-2400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 34.2 | 47.6 | 48.4 | 48.8 | 49.0 | 49.0 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 20000 | 38.1 | 53.4 | 54.9 | 55.4 | 55.6 | 55.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GE 18000 | 38.1 | 53.4 | 54.9 | 55.4 | 55.6 | 55.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GE 16000 | 38.1 | 53.4 | 54.9 | 55.4 | 55.6 | 55.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GE 14000 | 39.9 | 55.3 | 56.8 | 57.3 | 57.5 | 57.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| GE 12000 | 40.2 | 56.0 | 57.6 | 58.1 | 58.2 | 58.4 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| GE 10000 | 42.4 | 61.5 | 63.3 | 63.9 | 64.1 | 64.2 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 9000 | 42.9 | 62.0 | 63.7 | 64.4 | 64.5 | 64.7 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 8000 | 44.3 | 64.8 | 66.6 | 67.2 | 67.3 | 67.5 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 7000 | 44.3 | 65.6 | 67.3 | 68.0 | 68.1 | 68.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 6000 | 44.6 | 67.3 | 69.1 | 69.7 | 69.9 | 70.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 5000 | 45.5 | 70.5 | 72.2 | 73.2 | 73.3 | 73.5 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 4500 | 45.7 | 71.4 | 73.3 | 74.3 | 74.4 | 74.6 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 4000 | 46.0 | 73.5 | 75.4 | 76.5 | 76.6 | 76.8 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 3500 | 46.0 | 74.7 | 76.9 | 78.2 | 78.3 | 78.5 | 79.4 | 79.4 | 79.4 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 3000 | 46.5 | 76.6 | 78.8 | 80.4 | 80.5 | 80.7 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 2500 | 46.5 | 77.2 | 79.7 | 81.6 | 81.8 | 81.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 2000 | 46.6 | 78.2 | 80.7 | 82.6 | 82.9 | 83.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1800 | 46.6 | 78.2 | 80.7 | 82.6 | 82.9 | 83.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 1500 | 46.6 | 78.6 | 81.6 | 83.7 | 84.0 | 84.8 | 85.7 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 1200 | 46.6 | 78.8 | 82.1 | 84.3 | 84.9 | 86.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1000 | 46.8 | 79.1 | 82.7 | 85.1 | 85.9 | 87.0 | 87.9 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 900 | 46.9 | 79.3 | 82.9 | 85.4 | 86.3 | 87.6 | 88.9 | 89.3 | 89.3 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 800 | 46.9 | 79.3 | 82.9 | 85.4 | 86.7 | 87.9 | 89.2 | 90.0 | 90.0 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 700 | 46.9 | 79.3 | 82.9 | 85.6 | 87.0 | 88.4 | 89.6 | 90.4 | 90.4 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 600 | 46.9 | 79.3 | 82.9 | 85.6 | 87.3 | 89.0 | 90.3 | 91.8 | 91.8 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 500 | 46.9 | 79.3 | 83.2 | 85.9 | 87.6 | 90.0 | 91.5 | 93.6 | 93.6 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 400 | 46.9 | 79.4 | 83.4 | 86.0 | 87.9 | 90.3 | 92.2 | 94.3 | 94.3 | 95.1 | 95.4 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 300 | 46.9 | 79.4 | 83.7 | 86.3 | 88.2 | 90.6 | 92.6 | 94.8 | 94.8 | 96.1 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 200 | 46.9 | 79.4 | 83.7 | 86.3 | 88.2 | 90.6 | 92.6 | 94.8 | 94.8 | 96.4 | 97.5 | 97.5 | 98.6 | 98.6 | 98.6 | 98.7 |
| GE 100 | 46.9 | 79.6 | 83.8 | 86.5 | 88.4 | 90.7 | 92.8 | 95.0 | 95.0 | 96.5 | 97.6 | 97.6 | 98.7 | 98.7 | 99.2 | 99.4 |
| GE 0 | 46.9 | 79.6 | 83.8 | 86.5 | 88.4 | 90.7 | 92.8 | 95.0 | 95.0 | 96.5 | 97.6 | 97.6 | 98.7 | 98.7 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83.87
MONTH: JAN HOURS(LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 33.3 | 50.6 | 51.7 | 51.7 | 52.9 | 52.9 | 53.1 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.8 |
| GE 20000 | 38.0 | 55.7 | 57.3 | 57.6 | 58.7 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.7 |
| GE 18000 | 38.0 | 55.7 | 57.3 | 57.6 | 58.7 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.7 |
| GE 16000 | 38.0 | 55.7 | 57.3 | 57.6 | 58.7 | 58.7 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.7 |
| GE 14000 | 38.9 | 56.6 | 58.3 | 58.5 | 59.7 | 59.7 | 59.9 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 |
| GE 12000 | 38.9 | 56.6 | 58.3 | 58.5 | 59.7 | 59.7 | 59.9 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 |
| GE 10000 | 40.3 | 61.3 | 62.9 | 63.2 | 64.3 | 64.3 | 64.6 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.3 |
| GE 9000 | 40.6 | 61.5 | 63.2 | 63.4 | 64.6 | 64.6 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.5 |
| GE 8000 | 42.0 | 63.6 | 65.3 | 65.7 | 66.9 | 66.9 | 67.1 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.8 |
| GE 7000 | 42.0 | 64.3 | 66.0 | 66.4 | 67.6 | 67.6 | 67.8 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.5 |
| GE 6000 | 42.2 | 66.0 | 67.8 | 68.3 | 69.5 | 69.5 | 69.7 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.4 |
| GE 5000 | 42.2 | 69.5 | 71.3 | 71.8 | 73.0 | 73.2 | 73.4 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.1 |
| GE 4500 | 42.9 | 71.3 | 73.4 | 73.9 | 75.1 | 75.3 | 75.5 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 |
| GE 4000 | 42.9 | 72.7 | 74.8 | 75.5 | 76.7 | 76.9 | 77.2 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.9 |
| GE 3500 | 42.9 | 74.4 | 76.7 | 77.4 | 78.6 | 78.8 | 79.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 80.0 |
| GE 3000 | 43.1 | 75.5 | 77.9 | 78.8 | 80.0 | 80.2 | 80.4 | 80.9 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.4 |
| GE 2500 | 43.1 | 76.2 | 78.8 | 80.2 | 81.4 | 81.6 | 81.8 | 82.3 | 82.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.8 |
| GE 2000 | 43.1 | 77.4 | 80.0 | 81.4 | 82.5 | 82.8 | 83.2 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.1 |
| GE 1800 | 43.1 | 78.1 | 80.7 | 82.1 | 83.2 | 83.4 | 83.9 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.8 |
| GE 1500 | 43.4 | 79.5 | 82.1 | 83.4 | 84.6 | 84.8 | 85.5 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.5 |
| GE 1200 | 43.4 | 80.0 | 82.8 | 84.1 | 85.3 | 85.5 | 86.5 | 86.9 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 |
| GE 1000 | 43.4 | 80.0 | 82.8 | 84.1 | 85.3 | 85.5 | 86.5 | 86.9 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 |
| GE 900 | 43.4 | 80.2 | 83.0 | 84.6 | 87.4 | 87.9 | 89.0 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.9 |
| GE 800 | 43.4 | 80.2 | 83.0 | 84.6 | 87.4 | 87.9 | 89.0 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.9 |
| GE 700 | 43.4 | 80.2 | 83.0 | 84.6 | 87.4 | 87.9 | 89.0 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.9 |
| GE 600 | 43.4 | 80.2 | 83.0 | 84.6 | 87.4 | 87.9 | 89.0 | 90.2 | 90.2 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.9 |
| GE 500 | 43.4 | 80.7 | 83.9 | 86.0 | 89.3 | 89.7 | 91.6 | 93.7 | 93.7 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 95.1 |
| GE 400 | 43.4 | 80.7 | 84.1 | 86.2 | 89.7 | 90.2 | 92.5 | 94.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 |
| GE 300 | 43.4 | 80.7 | 84.1 | 86.2 | 89.7 | 90.2 | 92.5 | 94.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 |
| GE 200 | 43.4 | 80.7 | 84.1 | 86.2 | 89.7 | 90.2 | 92.5 | 94.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 |
| GE 100 | 43.4 | 80.7 | 84.1 | 86.2 | 89.7 | 90.2 | 92.5 | 94.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 |
| GE 0 | 43.4 | 80.7 | 84.1 | 86.2 | 89.7 | 90.2 | 92.5 | 94.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.3 |

TOTAL NUMBER OF OBSERVATIONS: 429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(1ST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|------|-------|------|------|-------|-------|------|------|------|------|------|
| IN | FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| | | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 |
| | | | | | | | | | | | | | | | | | |
| NO CEIL | 1 | 34.9 | 45.5 | 47.0 | 47.9 | 48.9 | 49.1 | 49.4 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| GE 20000 | 1 | 39.1 | 51.8 | 53.7 | 54.8 | 55.9 | 56.2 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 |
| GE 18000 | 1 | 39.1 | 51.8 | 53.7 | 54.8 | 55.9 | 56.2 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 |
| GE 16000 | 1 | 39.1 | 51.8 | 53.7 | 54.8 | 56.0 | 56.2 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.7 |
| GE 14000 | 1 | 39.9 | 52.9 | 54.9 | 55.9 | 57.1 | 57.3 | 57.6 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 12000 | 1 | 40.3 | 53.6 | 55.6 | 56.7 | 57.8 | 58.1 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 |
| GE 10000 | 1 | 42.4 | 57.4 | 59.8 | 61.1 | 62.4 | 62.6 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 9000 | 1 | 42.6 | 57.6 | 60.0 | 61.2 | 62.6 | 62.8 | 63.1 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 8000 | 1 | 43.7 | 59.8 | 62.5 | 63.9 | 65.2 | 65.5 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 |
| GE 7000 | 1 | 43.8 | 60.4 | 63.1 | 64.5 | 65.9 | 66.1 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 |
| GE 6000 | 1 | 44.2 | 61.5 | 64.3 | 65.7 | 67.2 | 67.5 | 67.8 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 5000 | 1 | 44.9 | 63.9 | 66.8 | 68.5 | 70.0 | 70.4 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 |
| GE 4500 | 1 | 45.1 | 64.6 | 67.7 | 69.4 | 70.9 | 71.3 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 |
| GE 4000 | 1 | 45.6 | 66.3 | 69.5 | 71.3 | 73.0 | 73.5 | 73.9 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 |
| GE 3500 | 1 | 45.9 | 67.4 | 70.7 | 72.7 | 74.5 | 75.0 | 75.4 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 |
| GE 3000 | 1 | 46.4 | 69.0 | 72.7 | 75.0 | 77.1 | 77.6 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500 | 1 | 46.6 | 69.8 | 73.7 | 76.1 | 78.4 | 79.1 | 79.6 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 |
| GE 2000 | 1 | 46.9 | 70.6 | 74.6 | 77.3 | 79.8 | 80.5 | 81.2 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 |
| GE 1800 | 1 | 46.9 | 70.7 | 74.8 | 77.5 | 80.0 | 80.8 | 81.4 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 |
| GE 1600 | 1 | 47.0 | 71.4 | 75.7 | 78.6 | 81.4 | 82.5 | 83.3 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 |
| GE 1400 | 1 | 47.1 | 72.0 | 76.5 | 79.5 | 82.5 | 83.8 | 84.7 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 |
| GE 1200 | 1 | 47.2 | 72.4 | 77.0 | 80.1 | 83.6 | 85.0 | 86.0 | 86.8 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 |
| GE 1000 | 1 | 47.2 | 72.5 | 77.2 | 80.5 | 84.2 | 85.7 | 86.7 | 87.6 | 87.6 | 87.6 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 |
| GE 900 | 1 | 47.2 | 72.7 | 77.4 | 80.8 | 84.7 | 86.3 | 87.5 | 88.5 | 88.5 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 |
| GE 800 | 1 | 47.2 | 72.9 | 77.8 | 81.4 | 85.5 | 87.3 | 88.6 | 89.6 | 89.7 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 700 | 1 | 47.2 | 73.0 | 78.0 | 81.6 | 86.0 | 88.0 | 89.4 | 90.8 | 90.8 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 |
| GE 600 | 1 | 47.2 | 73.1 | 78.3 | 82.1 | 86.7 | 89.0 | 91.0 | 93.0 | 93.1 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 |
| GE 500 | 1 | 47.2 | 73.2 | 78.4 | 82.2 | 87.0 | 89.4 | 91.6 | 94.0 | 94.2 | 95.2 | 95.4 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 |
| GE 400 | 1 | 47.2 | 73.3 | 78.5 | 82.3 | 87.2 | 89.7 | 92.0 | 94.6 | 94.8 | 96.1 | 96.7 | 96.7 | 97.0 | 97.2 | 97.3 | 97.4 |
| GE 300 | 1 | 47.2 | 73.3 | 78.6 | 82.4 | 87.2 | 89.8 | 92.2 | 94.8 | 95.1 | 96.7 | 97.4 | 97.4 | 98.0 | 98.2 | 98.5 | 98.7 |
| GE 200 | 1 | 47.2 | 73.3 | 78.6 | 82.4 | 87.3 | 89.8 | 92.2 | 94.9 | 95.3 | 97.0 | 97.7 | 97.7 | 98.4 | 98.5 | 99.0 | 99.2 |
| GE 100 | 1 | 47.2 | 73.3 | 78.6 | 82.4 | 87.3 | 89.8 | 92.2 | 94.9 | 95.3 | 97.0 | 97.7 | 97.7 | 98.4 | 98.5 | 99.0 | 99.2 |
| GE 0 | 1 | 47.2 | 73.3 | 78.6 | 82.4 | 87.3 | 89.8 | 92.2 | 94.9 | 95.3 | 97.0 | 97.7 | 97.7 | 98.4 | 98.5 | 99.0 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS: 4268

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 16.1 | 31.8 | 37.2 | 40.8 | 42.7 | 43.5 | 43.9 | 44.1 | 44.3 | 45.1 | 45.3 | 45.3 | 45.7 | 45.7 | 45.7 | 45.9 |
| GE 20000 | 17.7 | 37.2 | 43.5 | 47.3 | 49.5 | 50.5 | 51.3 | 51.5 | 51.7 | 52.5 | 52.9 | 52.9 | 53.3 | 53.3 | 53.3 | 53.5 |
| GE 18000 | 17.7 | 37.2 | 43.5 | 47.3 | 49.5 | 50.5 | 51.3 | 51.5 | 51.7 | 52.5 | 52.9 | 52.9 | 53.3 | 53.3 | 53.3 | 53.5 |
| GE 16000 | 17.7 | 37.2 | 43.5 | 47.3 | 49.5 | 50.5 | 51.3 | 51.5 | 51.7 | 52.5 | 52.9 | 52.9 | 53.3 | 53.3 | 53.3 | 53.5 |
| GE 14000 | 17.7 | 37.4 | 44.1 | 47.9 | 50.1 | 51.1 | 52.1 | 52.3 | 52.5 | 53.3 | 53.7 | 53.7 | 54.1 | 54.1 | 54.1 | 54.3 |
| GE 12000 | 18.1 | 39.2 | 45.9 | 49.7 | 51.9 | 52.9 | 53.9 | 54.1 | 54.3 | 55.1 | 55.5 | 55.5 | 55.9 | 55.9 | 55.9 | 56.1 |
| GE 10000 | 18.3 | 41.9 | 49.1 | 52.9 | 55.5 | 56.9 | 57.9 | 58.3 | 58.4 | 59.2 | 59.6 | 59.6 | 60.0 | 60.0 | 60.0 | 60.2 |
| GE 9000 | 18.3 | 41.9 | 49.1 | 52.9 | 55.5 | 57.1 | 58.1 | 58.4 | 58.6 | 59.4 | 59.8 | 59.8 | 60.2 | 60.2 | 60.2 | 60.4 |
| GE 8000 | 19.5 | 44.5 | 51.9 | 55.7 | 58.6 | 60.2 | 61.2 | 61.6 | 61.8 | 62.6 | 63.0 | 63.0 | 63.4 | 63.4 | 63.4 | 63.8 |
| GE 7000 | 19.5 | 44.7 | 52.1 | 56.3 | 59.2 | 61.0 | 62.0 | 62.4 | 62.6 | 63.4 | 63.8 | 63.8 | 64.2 | 64.2 | 64.2 | 64.6 |
| GE 6000 | 19.7 | 45.3 | 52.7 | 56.9 | 60.2 | 62.2 | 63.2 | 63.6 | 63.8 | 64.6 | 65.0 | 65.0 | 65.4 | 65.4 | 65.4 | 65.8 |
| GE 5000 | 19.9 | 46.9 | 54.7 | 58.8 | 62.4 | 64.4 | 65.6 | 66.2 | 66.4 | 67.4 | 67.8 | 67.8 | 68.2 | 68.2 | 68.2 | 68.6 |
| GE 4500 | 19.9 | 47.3 | 55.1 | 59.2 | 62.8 | 65.0 | 66.2 | 66.8 | 67.0 | 68.0 | 68.4 | 68.4 | 68.8 | 68.8 | 68.8 | 69.2 |
| GE 4000 | 20.5 | 49.1 | 57.1 | 61.2 | 64.8 | 67.0 | 68.2 | 68.8 | 69.0 | 70.0 | 70.6 | 70.6 | 71.0 | 71.0 | 71.0 | 71.4 |
| GE 3500 | 20.9 | 49.7 | 57.7 | 62.0 | 65.6 | 68.0 | 69.2 | 69.8 | 70.0 | 71.0 | 71.6 | 71.6 | 72.0 | 72.0 | 72.0 | 72.4 |
| GE 3000 | 21.1 | 50.5 | 58.4 | 63.2 | 67.0 | 69.6 | 71.0 | 71.6 | 71.8 | 72.8 | 73.4 | 73.4 | 73.8 | 73.8 | 73.8 | 74.2 |
| GE 2500 | 21.3 | 51.7 | 60.2 | 65.2 | 69.4 | 72.0 | 73.4 | 74.0 | 74.2 | 75.1 | 75.7 | 75.7 | 76.1 | 76.1 | 76.1 | 76.5 |
| GE 2000 | 21.3 | 52.1 | 60.6 | 65.8 | 70.0 | 72.6 | 74.2 | 75.0 | 75.1 | 76.1 | 76.7 | 76.7 | 77.1 | 77.1 | 77.1 | 77.5 |
| GE 1800 | 21.5 | 52.3 | 60.8 | 66.0 | 70.2 | 72.8 | 74.4 | 75.3 | 75.5 | 76.5 | 77.1 | 77.1 | 77.5 | 77.5 | 77.5 | 77.9 |
| GE 1500 | 21.5 | 53.7 | 62.2 | 67.8 | 72.0 | 74.8 | 76.7 | 77.7 | 77.9 | 78.9 | 79.7 | 79.7 | 80.1 | 80.1 | 80.1 | 80.5 |
| GE 1200 | 21.5 | 53.7 | 62.2 | 67.8 | 72.2 | 75.0 | 76.9 | 77.9 | 78.1 | 79.3 | 80.1 | 80.1 | 80.5 | 80.5 | 80.5 | 80.9 |
| GE 1000 | 21.7 | 54.3 | 63.2 | 69.2 | 73.6 | 76.3 | 78.5 | 79.5 | 79.7 | 80.9 | 81.7 | 81.7 | 82.1 | 82.1 | 82.1 | 82.5 |
| GE 900 | 21.7 | 54.3 | 63.2 | 69.4 | 73.8 | 76.5 | 78.7 | 79.7 | 79.9 | 81.1 | 81.9 | 81.9 | 82.3 | 82.3 | 82.3 | 82.7 |
| GE 800 | 21.9 | 54.7 | 63.6 | 70.2 | 74.8 | 77.5 | 79.7 | 80.7 | 80.9 | 82.3 | 83.1 | 83.1 | 83.5 | 83.5 | 83.5 | 83.9 |
| GE 700 | 21.9 | 54.7 | 63.8 | 70.6 | 75.7 | 78.5 | 80.9 | 81.9 | 82.1 | 83.5 | 84.5 | 84.5 | 84.9 | 84.9 | 84.9 | 85.3 |
| GE 600 | 21.9 | 54.9 | 64.0 | 70.8 | 75.9 | 78.7 | 81.3 | 82.3 | 82.5 | 84.3 | 85.3 | 85.3 | 85.7 | 85.7 | 85.7 | 86.1 |
| GE 500 | 21.9 | 55.1 | 64.4 | 72.0 | 77.5 | 81.3 | 84.7 | 85.9 | 86.1 | 88.1 | 89.9 | 89.9 | 90.5 | 90.5 | 90.5 | 90.9 |
| GE 400 | 21.9 | 55.1 | 64.4 | 72.0 | 77.5 | 81.5 | 85.3 | 87.7 | 87.9 | 90.3 | 92.0 | 92.0 | 92.6 | 92.6 | 92.6 | 93.2 |
| GE 300 | 21.9 | 55.1 | 64.4 | 72.0 | 77.7 | 81.7 | 85.9 | 88.5 | 88.7 | 91.7 | 93.6 | 93.6 | 94.4 | 95.0 | 95.2 | 95.8 |
| GE 200 | 21.9 | 55.1 | 64.4 | 72.0 | 77.7 | 81.7 | 85.9 | 88.7 | 88.9 | 92.0 | 94.2 | 94.2 | 95.2 | 96.2 | 96.4 | 97.6 |
| GE 100 | 21.9 | 55.1 | 64.4 | 72.0 | 77.7 | 81.7 | 85.9 | 88.7 | 88.9 | 92.0 | 94.2 | 94.2 | 95.2 | 96.4 | 96.8 | 98.0 |
| GE 0 | 21.9 | 55.1 | 64.4 | 72.0 | 77.7 | 81.7 | 85.9 | 88.7 | 88.9 | 92.0 | 94.2 | 94.2 | 95.2 | 96.4 | 96.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 503

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 29.1 | 40.7 | 43.9 | 46.3 | 47.2 | 47.6 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| GE 20000 | 32.8 | 48.3 | 51.5 | 54.0 | 54.9 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 18000 | 32.8 | 48.3 | 51.5 | 54.0 | 54.9 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 16000 | 32.8 | 48.3 | 51.5 | 54.0 | 54.9 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 14000 | 32.9 | 48.9 | 52.3 | 54.8 | 55.9 | 56.3 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| GE 12000 | 33.4 | 49.8 | 53.3 | 55.9 | 56.9 | 57.4 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 10000 | 34.3 | 53.0 | 56.8 | 59.8 | 61.1 | 61.5 | 61.8 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 9000 | 34.3 | 53.1 | 56.9 | 59.9 | 61.2 | 61.7 | 61.9 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 8000 | 34.6 | 54.0 | 57.9 | 60.8 | 62.2 | 62.7 | 63.1 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| GE 7000 | 34.7 | 54.4 | 58.3 | 61.4 | 63.0 | 63.4 | 63.8 | 64.0 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 6000 | 35.1 | 55.1 | 59.2 | 62.4 | 64.1 | 64.6 | 65.0 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 5000 | 35.9 | 57.0 | 61.2 | 64.7 | 67.1 | 67.8 | 68.2 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 4500 | 36.2 | 57.6 | 61.8 | 65.3 | 67.7 | 68.4 | 68.8 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 4000 | 36.7 | 59.2 | 63.6 | 67.3 | 69.8 | 70.7 | 71.0 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 3500 | 37.4 | 60.0 | 64.9 | 68.8 | 71.2 | 72.1 | 72.4 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 3000 | 37.6 | 60.2 | 65.2 | 69.3 | 72.3 | 73.3 | 73.8 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 2500 | 38.1 | 61.3 | 66.9 | 71.4 | 74.7 | 75.6 | 76.2 | 76.4 | 76.4 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 2000 | 38.6 | 62.1 | 67.7 | 72.2 | 76.0 | 76.9 | 77.5 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 1800 | 38.8 | 62.4 | 67.9 | 72.4 | 76.2 | 77.2 | 77.8 | 78.0 | 78.0 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 1500 | 39.1 | 63.6 | 69.5 | 74.1 | 78.3 | 79.4 | 80.0 | 80.2 | 80.2 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 1200 | 39.2 | 63.9 | 69.9 | 74.8 | 79.2 | 80.5 | 81.4 | 81.9 | 81.9 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 1000 | 39.4 | 65.3 | 71.5 | 76.7 | 81.4 | 82.8 | 83.9 | 84.5 | 84.5 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 900 | 39.4 | 65.3 | 71.5 | 76.8 | 81.5 | 83.0 | 84.0 | 84.6 | 84.6 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 800 | 39.4 | 65.8 | 72.1 | 77.4 | 82.2 | 83.7 | 84.7 | 85.3 | 85.3 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 700 | 39.4 | 66.0 | 72.3 | 77.8 | 82.8 | 84.3 | 85.3 | 86.0 | 86.0 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 600 | 39.4 | 66.2 | 72.5 | 78.0 | 83.6 | 85.3 | 86.6 | 87.5 | 87.7 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 500 | 39.4 | 66.2 | 73.1 | 79.2 | 85.4 | 88.0 | 90.2 | 91.8 | 92.1 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 400 | 39.4 | 66.3 | 73.5 | 79.6 | 86.0 | 88.9 | 91.0 | 93.6 | 93.8 | 95.4 | 95.5 | 95.5 | 95.7 | 95.9 | 95.9 | 95.9 |
| GE 300 | 39.4 | 66.4 | 73.6 | 80.3 | 86.4 | 89.2 | 91.6 | 94.4 | 94.7 | 96.6 | 97.0 | 97.0 | 97.8 | 98.0 | 98.1 | 98.1 |
| GE 200 | 39.4 | 66.4 | 73.6 | 80.3 | 86.4 | 89.2 | 91.7 | 94.6 | 94.8 | 97.0 | 97.9 | 97.9 | 98.6 | 98.9 | 99.1 | 99.1 |
| GE 100 | 39.4 | 66.4 | 73.6 | 80.0 | 86.4 | 89.2 | 91.7 | 94.6 | 94.8 | 97.0 | 97.9 | 97.9 | 98.6 | 99.1 | 99.2 | 99.2 |
| GE 0 | 39.4 | 66.4 | 73.6 | 80.0 | 86.4 | 89.2 | 91.7 | 94.6 | 94.8 | 97.2 | 98.1 | 98.1 | 98.8 | 99.3 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 |
| NO CEIL | 35.0 | 43.7 | 44.4 | 45.4 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| GE 20000 | 40.8 | 52.6 | 53.9 | 55.0 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 18000 | 40.8 | 52.6 | 53.9 | 55.0 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 16000 | 40.8 | 52.6 | 53.9 | 55.0 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| GE 14000 | 41.2 | 53.1 | 54.4 | 55.8 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 12000 | 42.2 | 55.0 | 56.3 | 57.7 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 10000 | 45.0 | 60.1 | 61.4 | 63.2 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 9000 | 45.1 | 60.3 | 61.6 | 63.3 | 63.9 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 8000 | 45.6 | 61.6 | 63.1 | 64.9 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 7000 | 45.6 | 61.6 | 63.1 | 64.9 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 6000 | 45.9 | 62.0 | 63.7 | 65.6 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 5000 | 47.2 | 64.5 | 66.5 | 69.2 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 4500 | 47.7 | 65.1 | 67.1 | 69.8 | 70.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4000 | 48.0 | 66.2 | 68.3 | 71.2 | 72.2 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 3500 | 48.2 | 66.5 | 69.2 | 72.0 | 73.1 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 3000 | 48.8 | 68.2 | 71.1 | 74.1 | 75.2 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 2500 | 49.9 | 69.8 | 73.0 | 76.4 | 77.8 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 2000 | 50.2 | 71.2 | 74.9 | 78.5 | 80.0 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 1800 | 50.2 | 71.5 | 75.2 | 78.9 | 80.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 1500 | 50.3 | 73.4 | 77.2 | 81.1 | 82.7 | 83.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 |
| GE 1200 | 50.3 | 73.9 | 77.8 | 82.1 | 83.6 | 84.9 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.9 | 85.9 |
| GE 1000 | 50.3 | 74.5 | 78.8 | 83.2 | 84.9 | 86.5 | 87.2 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| GE 900 | 50.3 | 74.5 | 78.8 | 83.3 | 85.1 | 86.7 | 87.4 | 87.9 | 87.9 | 87.9 | 88.0 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 |
| GE 800 | 50.3 | 74.7 | 79.2 | 84.0 | 86.0 | 87.7 | 88.5 | 89.2 | 89.2 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 |
| GE 700 | 50.3 | 74.7 | 79.4 | 84.2 | 86.4 | 88.3 | 89.2 | 89.9 | 89.9 | 89.9 | 90.2 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 |
| GE 600 | 50.3 | 74.9 | 79.7 | 84.7 | 87.3 | 89.3 | 90.3 | 91.2 | 91.2 | 91.2 | 91.3 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 |
| GE 500 | 50.3 | 75.1 | 80.1 | 85.3 | 88.5 | 91.2 | 93.0 | 94.5 | 94.5 | 94.5 | 95.4 | 95.6 | 95.6 | 95.7 | 96.0 | 96.0 |
| GE 400 | 50.3 | 75.2 | 80.2 | 85.4 | 88.6 | 91.3 | 93.7 | 95.7 | 95.7 | 95.7 | 96.9 | 97.3 | 97.3 | 97.6 | 97.9 | 98.1 |
| GE 300 | 50.3 | 75.2 | 80.2 | 85.4 | 88.6 | 91.3 | 93.8 | 96.1 | 96.1 | 96.1 | 97.6 | 98.0 | 98.0 | 98.6 | 98.9 | 99.2 |
| GE 200 | 50.3 | 75.2 | 80.2 | 85.4 | 88.6 | 91.3 | 93.8 | 96.1 | 96.1 | 96.1 | 98.0 | 98.6 | 98.6 | 99.2 | 99.6 | 99.9 |
| GE 100 | 50.3 | 75.2 | 80.2 | 85.4 | 88.6 | 91.3 | 93.8 | 96.1 | 96.1 | 96.1 | 98.1 | 98.7 | 98.7 | 99.3 | 99.8 | 100.0 |
| GE 0 | 50.3 | 75.2 | 80.2 | 85.4 | 88.6 | 91.3 | 93.8 | 96.1 | 96.1 | 96.1 | 98.1 | 98.7 | 98.7 | 99.3 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

| CEILING IN FEET | GE 1 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | GE 17 | GE 18 | GE 19 | GE 20 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | | | | | | | | | | | | | | | | | | | |
| NO CEIL | 36.7 | 44.0 | 46.1 | 47.1 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| GE 20000 | 42.1 | 52.5 | 55.4 | 57.0 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 18000 | 42.1 | 52.5 | 55.4 | 57.0 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 16000 | 42.1 | 52.5 | 55.4 | 57.0 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 14000 | 43.1 | 54.2 | 57.1 | 58.6 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 12000 | 44.0 | 55.8 | 58.8 | 60.3 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 10000 | 46.1 | 61.1 | 64.0 | 66.3 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 9000 | 46.1 | 61.1 | 64.0 | 66.3 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 8000 | 47.2 | 63.4 | 66.3 | 68.6 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 7000 | 47.5 | 63.8 | 66.7 | 69.0 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 6000 | 48.0 | 65.2 | 68.1 | 70.6 | 71.2 | 71.2 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 5000 | 48.7 | 66.8 | 69.8 | 72.7 | 73.4 | 73.4 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 4500 | 48.8 | 67.2 | 70.2 | 73.1 | 73.8 | 73.8 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 4000 | 49.6 | 69.1 | 72.5 | 75.4 | 76.2 | 76.2 | 76.4 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 3500 | 49.9 | 70.8 | 74.3 | 77.3 | 78.2 | 78.2 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 3000 | 49.9 | 72.5 | 76.1 | 79.3 | 80.3 | 80.3 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 2500 | 50.2 | 73.8 | 77.8 | 81.3 | 82.3 | 82.6 | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 2000 | 50.4 | 74.6 | 79.0 | 82.6 | 83.5 | 83.7 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 1800 | 50.4 | 74.8 | 79.1 | 82.6 | 83.6 | 83.9 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 1500 | 50.6 | 75.5 | 80.0 | 84.1 | 85.4 | 85.7 | 86.3 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 1200 | 50.6 | 76.2 | 80.8 | 85.4 | 86.7 | 87.3 | 88.0 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1000 | 50.7 | 76.6 | 81.6 | 86.2 | 87.5 | 88.2 | 89.0 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 900 | 50.8 | 76.7 | 81.7 | 86.3 | 87.6 | 88.3 | 89.2 | 89.9 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 800 | 50.8 | 77.2 | 82.2 | 86.9 | 88.2 | 89.1 | 90.3 | 90.9 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 700 | 50.8 | 77.6 | 82.6 | 87.5 | 89.0 | 90.0 | 91.2 | 91.8 | 91.8 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 600 | 50.8 | 77.8 | 82.8 | 87.7 | 89.5 | 90.8 | 91.9 | 92.7 | 92.7 | 92.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 500 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.4 | 92.8 | 94.2 | 94.2 | 94.2 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 400 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.7 | 93.9 | 95.3 | 95.3 | 95.3 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 300 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.9 | 94.1 | 95.9 | 95.9 | 95.9 | 96.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 200 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.9 | 94.1 | 95.9 | 95.9 | 95.9 | 96.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 100 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.9 | 94.1 | 95.9 | 95.9 | 95.9 | 96.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 0 | 51.0 | 78.0 | 83.0 | 88.0 | 90.0 | 91.9 | 94.1 | 95.9 | 95.9 | 95.9 | 96.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS: 761

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: FEB HOURS(LST): 1800-2000

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 30.2 | 46.1 | 48.4 | 49.0 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| GE 20000 | 34.4 | 53.0 | 55.4 | 56.0 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 18000 | 34.4 | 53.0 | 55.4 | 56.0 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 16000 | 34.4 | 53.0 | 55.4 | 56.0 | 57.1 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 14000 | 35.1 | 54.3 | 56.9 | 57.8 | 58.9 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| GE 12000 | 35.7 | 55.5 | 58.1 | 59.0 | 60.1 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| GE 10000 | 37.0 | 59.0 | 61.9 | 63.1 | 64.2 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 9000 | 37.0 | 59.0 | 61.9 | 63.1 | 64.2 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 8000 | 37.3 | 61.2 | 64.0 | 65.7 | 66.9 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 7000 | 37.9 | 62.5 | 65.4 | 67.1 | 68.4 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 6000 | 38.2 | 64.3 | 67.2 | 68.9 | 70.3 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 5000 | 39.3 | 67.2 | 70.1 | 71.8 | 73.9 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 4500 | 39.3 | 67.5 | 70.4 | 72.1 | 74.2 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 4000 | 39.5 | 69.3 | 72.4 | 74.4 | 76.8 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 3500 | 39.6 | 71.2 | 74.2 | 76.2 | 78.8 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 3000 | 39.6 | 72.1 | 75.4 | 77.8 | 80.6 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 2500 | 39.8 | 72.8 | 76.5 | 79.1 | 81.9 | 82.5 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 2000 | 39.8 | 73.3 | 77.1 | 79.8 | 83.0 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 1800 | 39.8 | 73.4 | 77.2 | 80.0 | 83.2 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 1500 | 39.8 | 73.7 | 78.0 | 81.2 | 84.5 | 85.1 | 85.1 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 1200 | 39.9 | 74.5 | 79.1 | 82.5 | 86.0 | 86.8 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1000 | 40.1 | 75.4 | 80.1 | 83.8 | 87.4 | 88.3 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 900 | 40.2 | 75.6 | 80.6 | 84.2 | 88.2 | 89.1 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 800 | 40.2 | 75.9 | 81.3 | 85.0 | 89.1 | 90.0 | 90.6 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 700 | 40.2 | 75.9 | 81.3 | 85.0 | 89.2 | 90.1 | 91.0 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 600 | 40.2 | 75.9 | 81.3 | 85.1 | 89.7 | 90.9 | 91.8 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 500 | 40.2 | 75.9 | 81.3 | 85.3 | 89.8 | 91.8 | 92.9 | 93.6 | 93.6 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 400 | 40.2 | 75.9 | 81.3 | 85.3 | 90.0 | 92.3 | 93.6 | 94.8 | 94.8 | 95.9 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 300 | 40.2 | 75.9 | 81.3 | 85.3 | 90.1 | 92.4 | 93.9 | 95.6 | 95.8 | 97.1 | 97.9 | 97.9 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 |
| GE 200 | 40.2 | 75.9 | 81.3 | 85.3 | 90.3 | 92.7 | 94.1 | 95.9 | 96.1 | 97.6 | 98.6 | 98.6 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 |
| GE 100 | 40.2 | 75.9 | 81.3 | 85.3 | 90.3 | 92.7 | 94.1 | 95.9 | 96.1 | 97.6 | 98.6 | 98.6 | 99.4 | 99.4 | 99.4 | 99.5 | 100.0 |
| GE 0 | 40.2 | 75.9 | 81.3 | 85.3 | 90.3 | 92.7 | 94.1 | 95.9 | 96.1 | 97.6 | 98.6 | 98.6 | 99.4 | 99.4 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: FEB HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 29.6 | 45.2 | 49.1 | 49.8 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 20000 | 33.5 | 52.3 | 56.1 | 56.8 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 18000 | 33.5 | 52.3 | 56.1 | 56.8 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 16000 | 33.5 | 52.3 | 56.1 | 56.8 | 57.5 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 14000 | 34.2 | 53.2 | 57.5 | 58.1 | 58.8 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 12000 | 34.4 | 53.6 | 57.9 | 58.6 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 10000 | 36.4 | 57.2 | 61.5 | 62.2 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 9000 | 36.4 | 57.2 | 61.5 | 62.2 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 8000 | 37.1 | 60.0 | 64.3 | 64.9 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 7000 | 37.1 | 60.2 | 64.5 | 65.2 | 65.8 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 6000 | 37.8 | 62.0 | 66.3 | 67.0 | 67.6 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 5000 | 38.7 | 64.9 | 69.7 | 70.4 | 71.3 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 4500 | 38.7 | 65.6 | 70.4 | 71.0 | 71.9 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 4000 | 38.7 | 68.1 | 72.9 | 73.8 | 74.7 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 3500 | 38.7 | 69.2 | 74.2 | 75.1 | 76.0 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 3000 | 38.7 | 70.1 | 75.6 | 76.7 | 77.8 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 2500 | 38.7 | 70.8 | 76.5 | 77.8 | 79.0 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 2000 | 39.7 | 70.8 | 76.7 | 78.1 | 80.1 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 1800 | 38.7 | 71.0 | 76.9 | 78.3 | 80.3 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 1500 | 38.7 | 72.2 | 78.3 | 80.1 | 82.4 | 83.5 | 83.9 | 83.9 | 83.9 | 83.9 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1200 | 39.1 | 73.8 | 80.1 | 82.1 | 84.4 | 85.5 | 86.0 | 86.0 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 1000 | 39.4 | 74.2 | 80.8 | 83.0 | 85.3 | 86.4 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 900 | 39.4 | 74.7 | 81.2 | 83.5 | 86.2 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 800 | 39.4 | 74.7 | 81.2 | 83.7 | 86.7 | 87.8 | 88.5 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 700 | 39.4 | 74.7 | 81.2 | 84.2 | 87.1 | 88.5 | 89.1 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 600 | 39.4 | 74.7 | 81.2 | 84.4 | 87.6 | 89.1 | 90.0 | 90.5 | 90.5 | 90.5 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 500 | 39.4 | 74.7 | 81.7 | 84.8 | 88.2 | 90.5 | 92.5 | 93.2 | 93.2 | 93.2 | 93.9 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 400 | 39.4 | 74.7 | 81.7 | 84.8 | 88.2 | 90.7 | 92.8 | 94.1 | 94.1 | 94.1 | 95.0 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 |
| GE 300 | 39.4 | 74.7 | 81.7 | 85.1 | 88.5 | 91.0 | 93.2 | 95.0 | 95.2 | 95.2 | 96.2 | 96.8 | 96.8 | 97.3 | 97.5 | 97.5 |
| GE 200 | 39.4 | 74.7 | 81.7 | 85.1 | 88.5 | 91.0 | 93.2 | 95.0 | 95.2 | 95.2 | 96.4 | 97.1 | 97.1 | 97.5 | 97.7 | 98.4 |
| GE 100 | 39.4 | 74.7 | 81.7 | 85.1 | 88.5 | 91.0 | 93.2 | 95.0 | 95.2 | 95.2 | 96.6 | 97.3 | 97.3 | 97.7 | 98.6 | 98.9 |
| GE 0 | 39.4 | 74.7 | 81.7 | 85.1 | 88.5 | 91.0 | 93.2 | 95.0 | 95.2 | 95.2 | 96.6 | 97.3 | 97.3 | 97.7 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 442

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 30.4 | 42.2 | 44.9 | 46.4 | 47.2 | 47.4 | 47.5 | 47.5 | 47.5 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.8 |
| GE 20000 | 34.7 | 49.8 | 52.9 | 54.6 | 55.5 | 55.8 | 56.0 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 18000 | 34.7 | 49.8 | 52.9 | 54.6 | 55.5 | 55.8 | 56.0 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 16000 | 34.7 | 49.8 | 52.9 | 54.6 | 55.5 | 55.8 | 56.0 | 56.0 | 56.1 | 56.2 | 56.2 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 |
| GE 14000 | 35.2 | 50.7 | 54.0 | 55.7 | 56.7 | 57.0 | 57.2 | 57.3 | 57.3 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 12000 | 35.8 | 52.1 | 55.3 | 57.1 | 58.1 | 58.4 | 58.6 | 58.7 | 58.7 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 10000 | 37.5 | 56.1 | 59.5 | 61.7 | 62.8 | 63.2 | 63.4 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 9000 | 37.5 | 56.2 | 59.6 | 61.7 | 62.8 | 63.3 | 63.5 | 63.6 | 63.6 | 63.7 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 8000 | 38.1 | 58.0 | 61.5 | 63.8 | 65.0 | 65.5 | 65.7 | 65.8 | 65.8 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.1 |
| GE 7000 | 38.3 | 58.4 | 62.0 | 64.3 | 65.6 | 66.0 | 66.3 | 66.4 | 66.4 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 |
| GE 6000 | 38.7 | 59.5 | 63.1 | 65.5 | 66.9 | 67.4 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 |
| GE 5000 | 39.6 | 61.7 | 65.5 | 68.2 | 69.9 | 70.5 | 70.8 | 70.9 | 70.9 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 4500 | 39.7 | 62.2 | 66.0 | 68.7 | 70.4 | 71.0 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 |
| GE 4000 | 40.2 | 63.9 | 67.9 | 70.8 | 72.6 | 73.2 | 73.5 | 73.7 | 73.7 | 73.8 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 3500 | 40.5 | 65.0 | 69.2 | 72.1 | 74.0 | 74.7 | 75.0 | 75.2 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 3000 | 40.7 | 66.0 | 70.4 | 73.7 | 75.7 | 76.5 | 76.9 | 77.1 | 77.1 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 |
| GE 2500 | 41.1 | 67.1 | 72.0 | 75.5 | 77.8 | 78.7 | 79.2 | 79.4 | 79.4 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 2000 | 41.3 | 67.9 | 73.0 | 76.6 | 79.1 | 80.0 | 80.5 | 80.7 | 80.7 | 80.9 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 1800 | 41.4 | 68.1 | 73.2 | 76.8 | 79.3 | 80.3 | 80.7 | 81.0 | 81.0 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| GE 1500 | 41.5 | 69.3 | 74.5 | 78.5 | 81.2 | 82.3 | 82.9 | 83.2 | 83.2 | 83.4 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.7 |
| GE 1200 | 41.6 | 69.9 | 75.3 | 79.5 | 82.3 | 83.6 | 84.3 | 84.7 | 84.7 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 |
| GE 1000 | 41.7 | 70.6 | 76.3 | 80.8 | 83.7 | 85.1 | 86.0 | 86.5 | 86.5 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 |
| GE 900 | 41.8 | 70.7 | 76.5 | 81.0 | 84.0 | 85.4 | 86.3 | 86.9 | 86.9 | 87.2 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 |
| GE 800 | 41.8 | 71.1 | 76.9 | 81.6 | 84.8 | 86.3 | 87.3 | 87.9 | 87.9 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.7 |
| GE 700 | 41.8 | 71.2 | 77.1 | 81.9 | 85.4 | 86.9 | 88.0 | 88.7 | 88.7 | 89.1 | 89.3 | 89.3 | 89.4 | 89.4 | 89.5 | 89.6 |
| GE 600 | 41.8 | 71.3 | 77.3 | 82.2 | 86.0 | 87.7 | 89.0 | 89.7 | 89.8 | 90.4 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.8 |
| GE 500 | 41.8 | 71.4 | 77.6 | 82.8 | 87.0 | 89.4 | 91.3 | 92.6 | 92.6 | 93.6 | 94.1 | 94.1 | 94.3 | 94.3 | 94.4 | 94.5 |
| GE 400 | 41.8 | 71.4 | 77.7 | 83.0 | 87.2 | 89.8 | 92.0 | 93.9 | 94.0 | 95.2 | 95.8 | 95.8 | 96.1 | 96.2 | 96.3 | 96.4 |
| GE 300 | 41.8 | 71.5 | 77.8 | 83.1 | 87.3 | 90.0 | 92.4 | 94.6 | 94.7 | 96.3 | 97.1 | 97.1 | 97.8 | 97.9 | 98.1 | 98.3 |
| GE 200 | 41.8 | 71.5 | 77.8 | 83.1 | 87.3 | 90.0 | 92.4 | 94.7 | 94.8 | 96.6 | 97.6 | 97.6 | 98.3 | 98.5 | 98.8 | 99.2 |
| GE 100 | 41.8 | 71.5 | 77.8 | 83.1 | 87.3 | 90.0 | 92.4 | 94.7 | 94.8 | 96.6 | 97.6 | 97.6 | 98.4 | 98.7 | 99.0 | 99.5 |
| GE 0 | 41.8 | 71.5 | 77.8 | 83.1 | 87.3 | 90.0 | 92.4 | 94.7 | 94.8 | 96.7 | 97.7 | 97.7 | 98.5 | 98.7 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4073

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 23.7 | 38.0 | 41.9 | 46.2 | 49.1 | 50.0 | 50.5 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3 |
| GE 2000 | 24.7 | 43.2 | 47.7 | 52.3 | 55.7 | 56.8 | 57.3 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 |
| GE 1800 | 24.7 | 43.2 | 47.7 | 52.3 | 55.7 | 56.8 | 57.3 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 |
| GE 1600 | 24.7 | 43.2 | 47.7 | 52.3 | 55.9 | 57.0 | 57.5 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.4 | 58.4 |
| GE 1400 | 24.7 | 43.9 | 48.7 | 53.4 | 57.0 | 58.1 | 58.8 | 59.3 | 59.3 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 |
| GE 1200 | 25.6 | 45.0 | 49.8 | 54.7 | 58.2 | 59.5 | 60.2 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 61.1 | 61.1 |
| GE 1000 | 26.5 | 47.5 | 52.9 | 58.4 | 62.4 | 63.6 | 64.3 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 |
| GE 900 | 26.5 | 47.5 | 52.9 | 58.4 | 62.4 | 63.6 | 64.3 | 64.9 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.2 |
| GE 800 | 27.1 | 48.9 | 54.5 | 60.4 | 64.5 | 65.8 | 66.7 | 67.2 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 |
| GE 700 | 27.1 | 49.1 | 54.8 | 60.8 | 64.9 | 66.3 | 67.2 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 68.1 | 68.1 |
| GE 600 | 27.8 | 50.4 | 56.3 | 62.2 | 66.5 | 67.9 | 69.0 | 69.5 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 |
| GE 500 | 28.1 | 51.6 | 57.7 | 63.8 | 68.5 | 69.9 | 71.0 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.9 | 71.9 |
| GE 450 | 28.1 | 51.8 | 57.9 | 64.0 | 68.8 | 70.3 | 71.3 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.2 | 72.2 |
| GE 400 | 28.5 | 53.0 | 59.5 | 65.9 | 71.0 | 72.6 | 73.7 | 74.2 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 |
| GE 350 | 28.7 | 53.4 | 59.9 | 66.3 | 71.3 | 72.9 | 74.0 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9 | 74.9 |
| GE 300 | 28.7 | 54.5 | 61.1 | 67.6 | 72.9 | 74.6 | 75.6 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.5 | 76.5 |
| GE 250 | 29.2 | 55.6 | 62.2 | 68.6 | 74.9 | 76.7 | 77.8 | 78.3 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 |
| GE 200 | 29.4 | 56.1 | 62.7 | 69.2 | 76.0 | 78.0 | 79.0 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 |
| GE 180 | 29.4 | 56.1 | 62.7 | 69.2 | 76.2 | 78.1 | 79.2 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 | 80.1 | 80.1 |
| GE 150 | 29.6 | 57.0 | 64.2 | 70.6 | 77.6 | 79.6 | 80.6 | 81.2 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 |
| GE 120 | 29.6 | 57.2 | 64.3 | 71.0 | 78.1 | 80.1 | 81.4 | 81.9 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.3 | 82.3 |
| GE 100 | 29.6 | 57.3 | 64.5 | 71.1 | 78.7 | 80.8 | 82.3 | 82.8 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 |
| GE 90 | 29.6 | 57.3 | 64.7 | 71.3 | 78.9 | 81.2 | 82.6 | 83.3 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 |
| GE 80 | 29.6 | 57.3 | 64.7 | 71.3 | 78.9 | 81.9 | 83.3 | 84.1 | 84.1 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.6 |
| GE 70 | 29.6 | 57.3 | 64.9 | 71.5 | 79.6 | 82.6 | 84.2 | 84.9 | 84.9 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 |
| GE 60 | 29.7 | 57.5 | 65.2 | 71.9 | 79.9 | 83.0 | 85.8 | 86.6 | 86.6 | 86.6 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 |
| GE 50 | 29.7 | 57.9 | 65.8 | 72.8 | 81.0 | 86.6 | 89.6 | 90.9 | 90.9 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 |
| GE 40 | 29.7 | 57.9 | 65.9 | 72.9 | 81.5 | 87.6 | 91.4 | 93.5 | 93.5 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.8 | 94.8 |
| GE 30 | 29.7 | 57.9 | 65.9 | 72.9 | 81.5 | 87.8 | 92.3 | 94.4 | 94.4 | 95.3 | 95.7 | 95.7 | 95.9 | 95.9 | 96.2 | 96.2 |
| GE 20 | 29.7 | 58.1 | 66.1 | 73.1 | 81.7 | 88.0 | 92.5 | 94.6 | 94.6 | 95.7 | 96.2 | 96.2 | 96.8 | 96.8 | 97.1 | 97.3 |
| GE 10 | 29.7 | 58.1 | 66.1 | 73.1 | 81.7 | 88.0 | 92.5 | 94.6 | 94.6 | 95.9 | 96.4 | 96.4 | 97.0 | 97.0 | 97.5 | 98.6 |
| GE 0 | 29.7 | 58.1 | 66.1 | 73.1 | 81.7 | 88.0 | 92.5 | 94.6 | 94.6 | 95.9 | 96.4 | 96.4 | 97.1 | 97.1 | 97.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(IST): 0900-1100

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 34.7 | 46.7 | 49.2 | 50.8 | 51.5 | 52.0 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| GE 20000 | 38.5 | 54.0 | 57.0 | 59.1 | 60.4 | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 18000 | 38.5 | 54.0 | 57.0 | 59.1 | 60.4 | 61.1 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 16000 | 38.5 | 54.0 | 57.0 | 59.4 | 60.6 | 61.3 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 14000 | 38.7 | 54.5 | 57.6 | 60.0 | 61.3 | 61.9 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 12000 | 38.9 | 55.6 | 58.8 | 61.5 | 62.8 | 63.4 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 10000 | 41.1 | 59.2 | 63.5 | 66.2 | 67.8 | 68.6 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 9000 | 41.1 | 59.4 | 63.7 | 66.3 | 68.0 | 68.7 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 8000 | 41.6 | 60.9 | 65.8 | 68.9 | 70.5 | 71.3 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 7000 | 41.6 | 61.1 | 66.0 | 69.1 | 70.9 | 71.6 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 6000 | 41.9 | 62.5 | 67.6 | 70.8 | 72.6 | 73.3 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 5000 | 42.3 | 63.9 | 69.2 | 72.5 | 74.4 | 75.2 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 4500 | 42.6 | 64.2 | 69.6 | 72.8 | 74.7 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 4000 | 42.9 | 65.2 | 71.1 | 74.4 | 76.3 | 77.1 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 3500 | 43.1 | 65.6 | 71.5 | 74.8 | 76.8 | 77.5 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 3000 | 43.7 | 67.0 | 73.1 | 76.5 | 78.5 | 79.2 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 2500 | 44.5 | 68.0 | 74.2 | 77.6 | 79.7 | 80.4 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 2000 | 44.8 | 68.7 | 75.3 | 78.9 | 81.1 | 81.8 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1800 | 44.9 | 68.9 | 75.6 | 79.4 | 81.6 | 82.4 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 1500 | 45.1 | 69.7 | 76.5 | 80.2 | 82.6 | 83.4 | 83.9 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1200 | 45.6 | 70.8 | 77.7 | 81.5 | 84.0 | 84.9 | 85.4 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 1000 | 45.6 | 71.0 | 78.2 | 82.3 | 85.2 | 86.2 | 86.7 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 900 | 45.6 | 71.2 | 78.6 | 82.9 | 85.9 | 87.0 | 87.4 | 87.8 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 800 | 45.7 | 71.6 | 79.1 | 83.5 | 86.8 | 88.0 | 88.5 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 700 | 45.7 | 71.7 | 79.4 | 83.8 | 87.0 | 88.6 | 89.2 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 600 | 45.7 | 72.2 | 79.8 | 84.4 | 87.7 | 89.7 | 90.9 | 91.4 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 500 | 45.9 | 72.4 | 80.3 | 85.1 | 88.8 | 91.7 | 93.0 | 93.9 | 93.9 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 400 | 45.9 | 72.4 | 80.3 | 85.2 | 89.0 | 92.2 | 93.8 | 95.1 | 95.2 | 96.1 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 300 | 45.9 | 72.4 | 80.3 | 85.3 | 89.2 | 92.5 | 94.3 | 95.8 | 95.9 | 97.2 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 200 | 45.9 | 72.4 | 80.3 | 85.3 | 89.2 | 92.5 | 94.3 | 96.0 | 96.1 | 97.8 | 98.4 | 98.4 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 100 | 45.9 | 72.4 | 80.3 | 85.3 | 89.2 | 92.5 | 94.3 | 96.0 | 96.1 | 98.0 | 98.5 | 98.5 | 99.1 | 99.1 | 99.2 | 99.6 |
| GE | 45.9 | 72.4 | 80.3 | 85.3 | 89.2 | 92.5 | 94.3 | 96.0 | 96.1 | 98.0 | 98.5 | 98.5 | 99.2 | 99.2 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1200-1400

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 38.2 | 48.1 | 50.3 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| GE 20000 | 43.1 | 55.8 | 58.6 | 59.1 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 18000 | 43.1 | 55.8 | 58.6 | 59.1 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 16000 | 43.1 | 55.9 | 58.7 | 59.2 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 14000 | 44.1 | 56.9 | 59.7 | 60.2 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| GE 12000 | 44.9 | 58.3 | 61.2 | 61.8 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 10000 | 45.9 | 61.1 | 64.3 | 64.9 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 9000 | 45.9 | 61.2 | 64.4 | 65.1 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 8000 | 46.7 | 63.2 | 66.7 | 67.3 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 7000 | 47.0 | 63.7 | 67.1 | 67.7 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 6000 | 47.5 | 64.8 | 68.3 | 69.0 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 5000 | 48.2 | 66.9 | 70.5 | 71.3 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 4500 | 48.6 | 67.5 | 71.2 | 72.0 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 4000 | 50.0 | 69.9 | 73.9 | 74.8 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 3500 | 50.8 | 71.4 | 75.4 | 76.5 | 76.8 | 77.1 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 3000 | 52.2 | 73.3 | 77.6 | 78.8 | 79.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 2500 | 53.1 | 75.2 | 80.0 | 81.4 | 82.2 | 82.8 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 2000 | 53.5 | 76.6 | 81.7 | 83.3 | 84.1 | 84.9 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1800 | 53.8 | 77.2 | 82.6 | 84.2 | 84.9 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 1500 | 53.8 | 78.2 | 84.2 | 85.9 | 86.8 | 87.6 | 87.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1200 | 54.0 | 78.6 | 85.2 | 86.9 | 87.8 | 88.8 | 88.8 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1000 | 54.0 | 78.7 | 85.5 | 87.3 | 88.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 900 | 54.0 | 78.8 | 85.6 | 87.6 | 88.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 800 | 54.1 | 78.9 | 85.9 | 88.0 | 89.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 700 | 54.2 | 79.1 | 86.1 | 88.2 | 90.3 | 91.6 | 91.7 | 91.8 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 600 | 54.2 | 79.2 | 86.6 | 88.9 | 91.2 | 93.0 | 93.5 | 93.8 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 500 | 54.2 | 79.4 | 86.7 | 89.4 | 92.0 | 94.0 | 95.1 | 95.3 | 95.3 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 400 | 54.2 | 79.6 | 86.9 | 89.6 | 92.4 | 94.6 | 96.7 | 96.7 | 96.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 300 | 54.2 | 79.6 | 86.9 | 89.7 | 92.6 | 94.9 | 96.3 | 97.2 | 97.2 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 54.2 | 79.6 | 86.9 | 89.7 | 92.6 | 94.9 | 96.3 | 97.2 | 97.2 | 98.9 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 54.2 | 79.6 | 86.9 | 89.7 | 92.6 | 95.1 | 96.5 | 97.3 | 97.3 | 99.0 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 0 | 54.2 | 79.6 | 86.9 | 89.7 | 92.6 | 95.1 | 96.5 | 97.3 | 97.3 | 99.0 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 38.4 | 47.7 | 49.2 | 49.5 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| GE 20000 | 43.7 | 56.4 | 58.1 | 58.7 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 18000 | 43.7 | 56.4 | 58.1 | 58.7 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 16000 | 43.7 | 56.4 | 58.1 | 58.7 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 14000 | 45.0 | 57.9 | 59.8 | 60.3 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 12000 | 45.9 | 59.5 | 61.6 | 62.2 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 10000 | 47.2 | 62.0 | 64.3 | 64.9 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 9000 | 47.3 | 62.1 | 64.4 | 65.0 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 8000 | 48.0 | 64.1 | 66.6 | 67.2 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 7000 | 48.1 | 64.7 | 67.2 | 67.8 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 6000 | 48.3 | 66.2 | 68.8 | 69.4 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 5000 | 48.7 | 68.0 | 70.7 | 71.6 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 4500 | 49.3 | 68.8 | 71.5 | 72.4 | 73.1 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 4000 | 50.2 | 71.0 | 73.8 | 74.9 | 75.6 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 3500 | 51.3 | 72.9 | 75.8 | 76.9 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 3000 | 52.4 | 75.2 | 78.8 | 80.2 | 81.3 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 2500 | 53.0 | 76.5 | 80.5 | 82.0 | 83.6 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 2000 | 53.0 | 77.6 | 81.9 | 83.7 | 85.6 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 1800 | 53.0 | 77.7 | 82.1 | 84.1 | 85.9 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 1500 | 53.1 | 78.0 | 82.4 | 84.5 | 86.7 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 1200 | 53.1 | 78.4 | 82.9 | 85.0 | 87.4 | 88.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 1000 | 53.3 | 78.7 | 83.5 | 85.8 | 88.5 | 90.0 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 900 | 53.3 | 78.7 | 83.5 | 85.8 | 88.5 | 90.0 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 800 | 53.3 | 79.0 | 83.7 | 86.3 | 89.3 | 90.8 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 700 | 53.3 | 79.4 | 84.3 | 87.1 | 90.5 | 92.0 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 600 | 53.3 | 79.5 | 84.5 | 87.4 | 90.8 | 92.4 | 93.6 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 500 | 53.3 | 79.5 | 85.0 | 88.0 | 91.5 | 93.4 | 94.7 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 400 | 53.4 | 79.9 | 85.3 | 88.4 | 92.2 | 94.5 | 96.2 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 300 | 53.4 | 79.9 | 85.3 | 88.4 | 92.3 | 94.6 | 96.7 | 98.6 | 98.6 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| GE 200 | 53.4 | 79.9 | 85.3 | 88.4 | 92.3 | 94.8 | 96.7 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 |
| GE 100 | 53.4 | 79.9 | 85.3 | 88.4 | 92.3 | 94.8 | 96.7 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 |
| GE 0 | 53.4 | 79.9 | 85.3 | 88.4 | 92.3 | 94.8 | 96.7 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: MAR HOURS(LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 36.7 | 53.4 | 54.4 | 55.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| GE 20000 | 40.1 | 59.8 | 61.3 | 61.8 | 63.1 | 63.5 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 18000 | 40.1 | 59.8 | 61.3 | 61.8 | 63.1 | 63.5 | 63.5 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| GE 16000 | 40.1 | 59.8 | 61.4 | 62.0 | 63.2 | 63.6 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 14000 | 40.4 | 60.2 | 61.8 | 62.4 | 63.6 | 64.0 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 12000 | 41.7 | 61.8 | 63.5 | 64.0 | 65.3 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 10000 | 42.5 | 63.6 | 65.5 | 66.1 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 9000 | 42.5 | 63.6 | 65.5 | 66.1 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 8000 | 42.8 | 65.3 | 68.0 | 68.5 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 7000 | 42.8 | 65.4 | 68.1 | 68.7 | 70.0 | 70.5 | 70.5 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 6000 | 42.8 | 66.3 | 69.2 | 69.8 | 71.1 | 71.5 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 5000 | 43.6 | 68.5 | 71.7 | 72.4 | 73.7 | 74.3 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 4500 | 43.8 | 68.7 | 72.1 | 73.1 | 74.4 | 75.0 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 4000 | 44.9 | 71.7 | 75.1 | 76.1 | 77.4 | 78.0 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 3500 | 45.3 | 73.1 | 77.0 | 78.1 | 79.9 | 80.4 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 3000 | 46.0 | 75.1 | 79.2 | 80.3 | 82.2 | 82.9 | 83.0 | 83.0 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 2500 | 46.0 | 75.2 | 79.3 | 80.4 | 82.6 | 83.4 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 2000 | 46.0 | 76.3 | 80.4 | 81.7 | 84.0 | 84.8 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 1800 | 46.0 | 76.5 | 81.0 | 82.2 | 84.5 | 85.4 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 1500 | 46.2 | 77.3 | 82.4 | 83.6 | 86.5 | 87.4 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 1200 | 46.4 | 77.7 | 82.8 | 84.3 | 87.1 | 88.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1000 | 46.4 | 78.1 | 83.4 | 85.1 | 88.4 | 89.3 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 900 | 46.4 | 78.1 | 83.4 | 85.4 | 88.8 | 90.0 | 91.2 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 800 | 46.4 | 78.1 | 83.4 | 85.5 | 89.1 | 90.8 | 92.2 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 700 | 46.4 | 78.1 | 83.6 | 85.8 | 89.5 | 91.7 | 93.0 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 600 | 46.4 | 78.2 | 84.0 | 86.3 | 90.2 | 92.6 | 94.0 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 500 | 46.5 | 78.5 | 84.3 | 86.6 | 90.7 | 93.2 | 94.5 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 400 | 46.5 | 78.8 | 84.7 | 87.1 | 91.4 | 94.3 | 95.8 | 96.7 | 96.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 300 | 46.5 | 78.8 | 84.7 | 87.3 | 91.5 | 94.4 | 95.9 | 97.0 | 97.0 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 200 | 46.5 | 78.8 | 84.7 | 87.3 | 91.5 | 94.4 | 95.9 | 97.0 | 97.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 |
| GE 100 | 46.5 | 78.8 | 84.7 | 87.3 | 91.5 | 94.4 | 95.9 | 97.0 | 97.3 | 98.5 | 99.0 | 99.0 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 0 | 46.5 | 78.8 | 84.7 | 87.3 | 91.5 | 94.4 | 95.9 | 97.0 | 97.3 | 98.5 | 99.0 | 99.0 | 99.5 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: MAR HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|------|------|-------|------|------|-------|------|------|------|-------|
| | 1 | 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 1 | 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 |
| NO CEIL | 36.0 | 58.2 | 60.1 | 61.1 | 62.1 | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 2000 | 38.3 | 62.6 | 64.4 | 65.4 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 1800 | 38.3 | 62.6 | 64.4 | 65.4 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 1600 | 38.3 | 62.6 | 64.4 | 65.4 | 66.5 | 66.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 1400 | 38.9 | 63.6 | 65.4 | 66.5 | 67.5 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 1200 | 39.5 | 64.6 | 66.7 | 67.7 | 68.7 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 1000 | 40.5 | 65.8 | 67.9 | 68.9 | 70.2 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 900 | 40.5 | 65.8 | 67.9 | 68.9 | 70.2 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 800 | 40.5 | 66.7 | 69.3 | 70.4 | 71.6 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 700 | 40.5 | 66.7 | 69.3 | 70.4 | 71.6 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 600 | 40.9 | 68.1 | 70.8 | 71.8 | 73.0 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 500 | 41.8 | 70.2 | 73.0 | 74.1 | 75.3 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| GE 450 | 42.0 | 70.4 | 73.5 | 74.5 | 75.7 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 400 | 42.2 | 71.6 | 74.7 | 76.1 | 77.4 | 78.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 350 | 42.4 | 72.8 | 77.0 | 78.6 | 80.2 | 81.1 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 300 | 42.6 | 74.7 | 79.2 | 80.9 | 82.5 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 250 | 42.6 | 74.9 | 80.0 | 81.7 | 83.5 | 84.4 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 200 | 42.6 | 75.7 | 81.1 | 82.7 | 84.6 | 85.4 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 180 | 42.6 | 75.7 | 81.1 | 83.1 | 85.0 | 85.8 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 150 | 42.8 | 76.1 | 81.5 | 83.5 | 85.4 | 86.2 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 120 | 43.0 | 76.5 | 82.1 | 84.2 | 86.4 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 100 | 43.0 | 77.2 | 83.1 | 85.4 | 87.9 | 88.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 90 | 43.0 | 77.4 | 83.7 | 86.0 | 88.5 | 89.7 | 90.5 | 90.5 | 90.5 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 80 | 43.0 | 77.4 | 84.2 | 86.4 | 89.1 | 90.7 | 91.8 | 91.8 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 70 | 43.0 | 77.4 | 84.2 | 86.4 | 89.1 | 90.7 | 92.0 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 60 | 43.0 | 77.6 | 84.6 | 86.8 | 89.5 | 91.6 | 93.2 | 93.6 | 93.6 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 50 | 43.0 | 77.6 | 84.8 | 87.2 | 89.9 | 92.2 | 93.8 | 94.2 | 94.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 40 | 43.0 | 77.6 | 84.8 | 87.7 | 90.7 | 93.0 | 94.9 | 95.7 | 95.7 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 30 | 43.0 | 77.6 | 84.8 | 87.9 | 90.9 | 93.2 | 95.1 | 96.5 | 96.5 | 97.9 | 98.1 | 98.1 | 98.6 | 98.6 | 98.6 |
| GE 20 | 43.0 | 77.6 | 84.8 | 87.9 | 90.9 | 93.2 | 95.1 | 96.5 | 96.5 | 98.1 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| GE 10 | 43.0 | 77.6 | 84.8 | 87.9 | 90.9 | 93.2 | 95.1 | 96.5 | 96.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE | 43.0 | 77.6 | 84.8 | 87.9 | 90.9 | 93.2 | 95.1 | 96.5 | 96.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 35.2 | 48.4 | 50.6 | 51.7 | 52.6 | 52.8 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 |
| GE 2000 | 39.0 | 55.4 | 57.9 | 59.3 | 60.5 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 |
| GE 1800 | 39.0 | 55.4 | 57.9 | 59.3 | 60.5 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 |
| GE 1600 | 39.0 | 55.4 | 57.9 | 59.4 | 60.6 | 61.0 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 |
| GE 1400 | 39.6 | 56.2 | 58.9 | 60.4 | 61.6 | 62.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 |
| GE 1200 | 40.4 | 57.6 | 60.3 | 61.9 | 63.1 | 63.5 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 1000 | 41.6 | 60.1 | 63.3 | 65.0 | 66.3 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 900 | 41.6 | 60.2 | 63.4 | 65.1 | 66.4 | 66.8 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 800 | 42.2 | 61.8 | 65.5 | 67.3 | 68.7 | 69.1 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 700 | 42.2 | 62.1 | 65.8 | 67.6 | 69.0 | 69.5 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 600 | 42.6 | 63.4 | 67.2 | 69.0 | 70.5 | 71.0 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 |
| GE 500 | 43.1 | 65.2 | 69.2 | 71.1 | 72.7 | 73.2 | 73.4 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 450 | 43.4 | 65.6 | 69.7 | 71.7 | 73.3 | 73.8 | 74.0 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 400 | 44.2 | 67.5 | 71.8 | 74.0 | 75.6 | 76.2 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 350 | 44.7 | 68.7 | 73.2 | 75.4 | 77.2 | 77.8 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 |
| GE 300 | 45.5 | 70.5 | 75.3 | 77.7 | 79.5 | 80.3 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 250 | 46.1 | 71.5 | 76.6 | 79.0 | 81.2 | 82.1 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 200 | 46.2 | 72.5 | 77.8 | 80.4 | 82.8 | 83.7 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 180 | 46.3 | 72.7 | 78.2 | 80.9 | 83.3 | 84.2 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 150 | 46.4 | 73.4 | 79.2 | 81.9 | 84.6 | 85.6 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 120 | 46.6 | 73.9 | 79.9 | 82.7 | 85.5 | 86.6 | 87.1 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 100 | 46.7 | 74.2 | 80.4 | 83.4 | 86.5 | 87.7 | 88.4 | 88.6 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 90 | 46.7 | 74.3 | 80.6 | 83.7 | 86.9 | 88.2 | 88.9 | 89.2 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 80 | 46.7 | 74.4 | 80.9 | 84.1 | 87.5 | 89.1 | 89.9 | 90.2 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 70 | 46.7 | 74.6 | 81.1 | 84.4 | 88.1 | 89.9 | 90.7 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 60 | 46.7 | 74.8 | 81.5 | 84.9 | 88.7 | 90.7 | 92.1 | 92.5 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 50 | 46.8 | 74.9 | 81.8 | 85.5 | 89.5 | 92.1 | 93.7 | 94.3 | 94.3 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 40 | 46.8 | 75.1 | 82.0 | 85.8 | 90.0 | 93.0 | 94.8 | 96.0 | 96.0 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 30 | 46.8 | 75.1 | 82.0 | 85.9 | 90.1 | 93.2 | 95.3 | 96.7 | 96.8 | 97.8 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 20 | 46.8 | 75.1 | 82.1 | 85.9 | 90.1 | 93.3 | 95.3 | 96.8 | 96.9 | 98.1 | 98.6 | 98.6 | 98.9 | 98.9 | 99.0 | 99.1 |
| GE 10 | 46.8 | 75.1 | 82.1 | 85.9 | 90.1 | 93.3 | 95.3 | 96.8 | 97.0 | 98.3 | 98.8 | 98.8 | 99.1 | 99.1 | 99.3 | 99.5 |
| GE | 46.8 | 75.1 | 82.1 | 85.9 | 90.1 | 93.3 | 95.3 | 96.8 | 97.0 | 98.3 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4495

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 26.0 | 45.9 | 50.8 | 53.5 | 55.5 | 56.7 | 57.7 | 58.2 | 58.2 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.2 | 59.2 |
| GE 20000 | 27.2 | 50.4 | 56.2 | 59.2 | 61.6 | 62.9 | 63.9 | 64.4 | 64.4 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 |
| GE 18000 | 27.2 | 50.4 | 56.2 | 59.2 | 61.6 | 62.9 | 63.9 | 64.4 | 64.4 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 |
| GE 16000 | 27.2 | 50.4 | 56.2 | 59.2 | 61.6 | 62.9 | 63.9 | 64.4 | 64.4 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 |
| GE 14000 | 27.8 | 51.4 | 57.3 | 60.4 | 62.7 | 64.2 | 65.3 | 65.8 | 65.8 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.8 | 66.8 |
| GE 12000 | 28.0 | 52.1 | 58.0 | 61.2 | 63.7 | 65.3 | 66.3 | 66.8 | 66.8 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.8 | 67.8 |
| GE 10000 | 29.0 | 56.2 | 62.4 | 65.8 | 68.3 | 70.0 | 71.3 | 72.0 | 72.0 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 73.0 | 73.0 |
| GE 9000 | 29.0 | 56.2 | 62.4 | 65.8 | 68.3 | 70.0 | 71.3 | 72.0 | 72.0 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 73.0 | 73.0 |
| GE 8000 | 29.3 | 58.3 | 65.1 | 68.5 | 71.0 | 72.7 | 74.0 | 74.7 | 74.7 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 |
| GE 7000 | 29.3 | 58.7 | 65.4 | 68.8 | 71.3 | 73.0 | 74.4 | 75.0 | 75.0 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 76.1 | 76.1 |
| GE 6000 | 29.3 | 58.7 | 65.8 | 69.1 | 71.7 | 73.4 | 74.7 | 75.4 | 75.4 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.4 | 76.4 |
| GE 5000 | 29.7 | 59.5 | 66.9 | 70.5 | 73.4 | 75.0 | 76.4 | 77.1 | 77.1 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 78.1 | 78.1 |
| GE 4500 | 29.7 | 59.7 | 67.1 | 70.7 | 73.5 | 75.2 | 76.6 | 77.2 | 77.2 | 77.9 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 |
| GE 4000 | 30.0 | 60.9 | 68.5 | 72.0 | 75.2 | 76.9 | 78.2 | 78.9 | 78.9 | 79.6 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 |
| GE 3500 | 30.0 | 61.0 | 68.6 | 72.2 | 75.4 | 77.1 | 78.6 | 79.3 | 79.3 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.3 | 80.3 |
| GE 3000 | 30.0 | 61.6 | 69.1 | 72.8 | 76.1 | 77.9 | 79.4 | 80.4 | 80.4 | 81.3 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 |
| GE 2500 | 30.0 | 62.2 | 69.8 | 73.5 | 76.7 | 78.6 | 80.3 | 81.3 | 81.3 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 | 82.5 | 82.5 |
| GE 2000 | 30.0 | 63.2 | 71.0 | 74.7 | 78.2 | 80.1 | 81.8 | 82.8 | 82.8 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 |
| GE 1800 | 30.0 | 63.4 | 71.2 | 74.9 | 78.4 | 80.3 | 82.0 | 83.0 | 83.0 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 |
| GE 1500 | 30.0 | 64.2 | 72.5 | 76.2 | 80.1 | 82.0 | 83.8 | 84.8 | 84.8 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 |
| GE 1200 | 30.0 | 64.4 | 72.7 | 76.4 | 80.4 | 82.3 | 84.1 | 85.2 | 85.2 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 |
| GE 1000 | 30.0 | 64.6 | 72.8 | 76.7 | 80.9 | 82.8 | 84.7 | 85.8 | 85.8 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 |
| GE 900 | 30.0 | 64.9 | 73.5 | 77.4 | 81.6 | 83.5 | 85.3 | 86.5 | 86.5 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 |
| GE 800 | 30.0 | 65.1 | 73.9 | 77.9 | 82.8 | 84.7 | 86.8 | 88.0 | 88.0 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 |
| GE 700 | 30.0 | 65.6 | 74.4 | 78.4 | 83.5 | 85.3 | 87.7 | 89.0 | 89.0 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.6 | 90.6 |
| GE 600 | 30.0 | 66.1 | 74.9 | 78.9 | 84.1 | 86.2 | 88.7 | 90.2 | 90.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 |
| GE 500 | 30.0 | 66.9 | 75.9 | 79.9 | 86.2 | 88.7 | 91.6 | 93.6 | 93.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 |
| GE 400 | 30.0 | 66.9 | 76.1 | 80.1 | 86.3 | 88.9 | 91.9 | 94.1 | 94.1 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 97.0 | 97.0 |
| GE 300 | 30.0 | 66.9 | 76.1 | 80.1 | 86.3 | 89.2 | 92.2 | 94.8 | 94.9 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 |
| GE 200 | 30.0 | 66.9 | 76.1 | 80.1 | 86.3 | 89.2 | 92.2 | 94.9 | 95.1 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 99.0 | 99.0 |
| GE 100 | 30.0 | 66.9 | 76.1 | 80.1 | 86.3 | 89.2 | 92.2 | 94.9 | 95.1 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |
| GE 0 | 30.0 | 66.9 | 76.1 | 80.1 | 86.3 | 89.2 | 92.2 | 94.9 | 95.1 | 98.3 | 99.2 | 99.2 | 99.2 | 99.2 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 40.5 | 52.8 | 55.6 | 57.2 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 20000 | 1 | 43.3 | 57.9 | 61.3 | 63.2 | 64.4 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 18000 | 1 | 43.3 | 58.0 | 61.4 | 63.3 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 16000 | 1 | 43.3 | 58.0 | 61.4 | 63.3 | 64.5 | 64.5 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 14000 | 1 | 43.3 | 58.6 | 62.3 | 64.2 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 12000 | 1 | 43.5 | 59.3 | 63.2 | 65.1 | 66.6 | 66.6 | 66.6 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 10000 | 1 | 44.6 | 62.2 | 66.7 | 68.8 | 70.5 | 70.5 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 9000 | 1 | 44.6 | 62.3 | 66.8 | 68.9 | 70.6 | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 8000 | 1 | 45.3 | 64.3 | 69.0 | 71.2 | 72.9 | 72.9 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 7000 | 1 | 45.3 | 64.3 | 69.0 | 71.2 | 73.0 | 73.1 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 6000 | 1 | 45.7 | 65.4 | 70.1 | 72.4 | 74.1 | 74.2 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 5000 | 1 | 46.6 | 66.7 | 71.7 | 73.9 | 75.8 | 76.1 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 4500 | 1 | 46.9 | 67.2 | 72.4 | 74.6 | 76.6 | 76.9 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 4000 | 1 | 47.5 | 68.1 | 73.4 | 75.8 | 77.8 | 78.3 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 3500 | 1 | 47.8 | 68.6 | 73.9 | 76.4 | 78.4 | 78.8 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 3000 | 1 | 48.3 | 69.7 | 75.1 | 77.6 | 80.0 | 80.6 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2500 | 1 | 48.8 | 71.2 | 76.7 | 79.3 | 81.7 | 82.3 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 2000 | 1 | 49.4 | 72.7 | 78.3 | 80.9 | 83.6 | 84.3 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 1800 | 1 | 49.6 | 73.1 | 78.8 | 81.5 | 84.2 | 84.8 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 1500 | 1 | 49.8 | 74.7 | 80.5 | 83.3 | 86.1 | 86.7 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1200 | 1 | 50.1 | 76.1 | 82.1 | 84.9 | 88.0 | 88.6 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1000 | 1 | 50.2 | 77.1 | 83.5 | 86.6 | 89.9 | 90.5 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 900 | 1 | 50.2 | 77.4 | 83.9 | 87.1 | 90.4 | 91.1 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 800 | 1 | 50.2 | 77.6 | 84.3 | 87.4 | 90.9 | 91.6 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 700 | 1 | 50.2 | 77.7 | 84.5 | 87.6 | 91.2 | 92.1 | 92.4 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 600 | 1 | 50.2 | 77.8 | 84.8 | 88.0 | 91.8 | 93.0 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 500 | 1 | 50.2 | 77.9 | 85.2 | 88.3 | 92.3 | 93.8 | 95.0 | 96.2 | 96.2 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 400 | 1 | 50.2 | 78.1 | 85.4 | 88.5 | 92.6 | 94.1 | 95.7 | 97.2 | 97.2 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 300 | 1 | 50.2 | 78.1 | 85.4 | 88.5 | 92.6 | 94.2 | 96.0 | 97.7 | 97.7 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 200 | 1 | 50.2 | 78.1 | 85.4 | 88.5 | 92.6 | 94.2 | 96.1 | 97.9 | 98.0 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 1 | 50.2 | 78.1 | 85.4 | 88.5 | 92.6 | 94.2 | 96.1 | 97.9 | 98.0 | 99.6 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 0 | 1 | 50.2 | 78.1 | 85.4 | 88.5 | 92.6 | 94.2 | 96.1 | 97.9 | 98.0 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS (LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 40.1 | 50.2 | 51.6 | 52.6 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| GE 20000 | 44.1 | 56.7 | 58.6 | 60.3 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 18000 | 44.1 | 56.7 | 58.6 | 60.3 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 16000 | 44.1 | 57.0 | 58.9 | 60.5 | 60.8 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 14000 | 44.6 | 58.2 | 60.1 | 61.8 | 62.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 12000 | 45.3 | 59.6 | 61.5 | 63.2 | 63.4 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 10000 | 46.4 | 62.5 | 64.9 | 66.6 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 9000 | 46.4 | 62.8 | 65.1 | 66.8 | 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 8000 | 47.2 | 64.4 | 67.3 | 69.1 | 69.3 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 7000 | 47.7 | 65.0 | 68.1 | 70.0 | 70.2 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 6000 | 49.1 | 67.2 | 70.3 | 72.2 | 72.6 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 5000 | 50.8 | 69.3 | 72.7 | 74.6 | 75.0 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 4500 | 51.6 | 70.8 | 74.1 | 76.1 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 4000 | 53.2 | 73.4 | 76.9 | 79.0 | 79.6 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 3500 | 54.2 | 74.5 | 78.0 | 80.2 | 80.7 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 3000 | 55.1 | 75.9 | 79.9 | 82.3 | 82.9 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 2500 | 55.7 | 77.4 | 81.5 | 83.8 | 84.5 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 2000 | 56.2 | 78.9 | 83.5 | 85.8 | 86.6 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 1800 | 56.2 | 79.3 | 83.8 | 86.2 | 87.0 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 1500 | 56.3 | 80.0 | 84.8 | 87.5 | 88.9 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1200 | 56.3 | 80.7 | 85.5 | 88.4 | 90.1 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 1000 | 56.5 | 81.4 | 86.6 | 89.6 | 91.5 | 92.0 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 900 | 56.5 | 81.4 | 86.6 | 89.7 | 91.8 | 92.2 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 800 | 56.5 | 81.5 | 86.8 | 90.2 | 92.4 | 93.1 | 93.5 | 93.5 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 700 | 56.5 | 81.5 | 86.8 | 90.3 | 92.5 | 93.3 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 600 | 56.5 | 81.5 | 87.2 | 91.1 | 93.5 | 94.3 | 95.2 | 95.4 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 500 | 56.5 | 81.6 | 87.6 | 91.9 | 94.5 | 95.7 | 97.0 | 97.5 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 400 | 56.5 | 81.6 | 87.6 | 91.9 | 94.6 | 95.8 | 97.2 | 98.3 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 300 | 56.5 | 81.6 | 87.6 | 91.9 | 94.6 | 96.0 | 97.5 | 98.9 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 56.5 | 81.6 | 87.6 | 91.9 | 94.6 | 96.0 | 97.5 | 98.9 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 56.5 | 81.6 | 87.6 | 91.9 | 94.6 | 96.0 | 97.5 | 98.9 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 56.5 | 81.6 | 87.6 | 91.9 | 94.6 | 96.0 | 97.5 | 98.9 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 497

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS (LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|--------|--------|--------|------|----------|----------|----------|------|----------|----------|----------|------|----------|----------|----------|------|
| | 1 | GE 1/4 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/4 | GE 3 1/2 | GE 3 3/4 | GE 4 |
| NO CEIL | 37.7 | 47.2 | 49.5 | 49.3 | 49.6 | 49.6 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| GE 20000 | 42.2 | 56.1 | 57.9 | 59.2 | 59.6 | 59.6 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| GE 18000 | 42.3 | 56.2 | 58.0 | 59.4 | 59.7 | 59.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 16000 | 42.3 | 56.2 | 58.0 | 59.4 | 59.7 | 59.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 14000 | 42.8 | 57.1 | 58.9 | 60.2 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 12000 | 43.4 | 58.5 | 60.3 | 61.6 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 10000 | 45.4 | 62.4 | 64.6 | 66.2 | 66.7 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 9000 | 45.4 | 62.4 | 64.6 | 66.2 | 66.7 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 8000 | 46.4 | 65.5 | 67.6 | 69.3 | 69.8 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 7000 | 46.7 | 66.1 | 68.2 | 70.0 | 70.4 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 6000 | 49.5 | 69.6 | 71.9 | 73.7 | 74.2 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 5000 | 51.0 | 72.1 | 74.8 | 76.6 | 77.1 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 4500 | 51.6 | 73.2 | 75.9 | 77.9 | 78.3 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 4000 | 53.5 | 76.0 | 78.8 | 80.8 | 81.4 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 3500 | 53.5 | 76.2 | 79.0 | 81.0 | 81.8 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3000 | 54.4 | 77.9 | 81.0 | 83.1 | 84.1 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 2500 | 54.9 | 79.0 | 82.2 | 84.3 | 85.4 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 2000 | 54.9 | 81.0 | 84.8 | 87.0 | 88.1 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 1800 | 54.9 | 81.0 | 84.8 | 87.0 | 88.1 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 1500 | 54.9 | 81.4 | 85.4 | 87.6 | 88.9 | 89.4 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 1200 | 54.9 | 81.6 | 85.8 | 88.0 | 89.3 | 89.9 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 1000 | 55.0 | 82.0 | 86.3 | 88.6 | 90.6 | 91.2 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 900 | 55.0 | 82.5 | 87.1 | 89.4 | 91.5 | 92.1 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 800 | 55.0 | 83.0 | 87.6 | 90.1 | 92.3 | 92.9 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 700 | 55.0 | 83.0 | 87.7 | 90.4 | 92.6 | 93.3 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 600 | 55.0 | 83.0 | 87.8 | 90.8 | 93.1 | 93.8 | 94.8 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 500 | 55.0 | 83.0 | 87.8 | 90.9 | 93.6 | 94.4 | 96.0 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 400 | 55.0 | 83.1 | 88.1 | 91.1 | 93.8 | 94.6 | 96.6 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 300 | 55.0 | 83.1 | 88.2 | 91.5 | 94.3 | 95.6 | 97.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 200 | 55.0 | 83.1 | 88.2 | 91.5 | 94.3 | 95.6 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 100 | 55.0 | 83.1 | 88.2 | 91.5 | 94.3 | 95.6 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 70 | 55.0 | 83.1 | 88.2 | 91.5 | 94.3 | 95.6 | 97.7 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS: 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: APR HOURS(IST): 1800-2400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 37.4 | 50.8 | 53.1 | 54.1 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| GE 20000 | 40.7 | 58.3 | 61.0 | 62.3 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 18000 | 40.7 | 58.3 | 61.0 | 62.3 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 16000 | 40.7 | 58.3 | 61.0 | 62.3 | 63.8 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 14000 | 41.0 | 58.8 | 61.4 | 62.7 | 64.4 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 12000 | 41.1 | 59.6 | 62.4 | 63.7 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 10000 | 43.2 | 63.7 | 67.1 | 68.8 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 9000 | 43.4 | 63.8 | 67.2 | 68.9 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 8000 | 44.2 | 66.7 | 70.2 | 72.0 | 74.0 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 7000 | 44.5 | 67.4 | 70.9 | 72.7 | 74.9 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 6000 | 45.3 | 68.9 | 72.9 | 74.7 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 5000 | 46.9 | 71.0 | 75.1 | 77.0 | 79.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 4500 | 47.7 | 72.3 | 76.4 | 78.4 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 4000 | 48.4 | 73.2 | 77.5 | 79.5 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 3500 | 48.6 | 74.0 | 78.4 | 80.4 | 83.3 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 3000 | 48.9 | 75.7 | 80.1 | 82.1 | 85.0 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 2500 | 49.0 | 76.1 | 80.8 | 82.8 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 2000 | 49.0 | 77.4 | 82.2 | 84.5 | 88.0 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1800 | 49.0 | 77.5 | 82.3 | 84.6 | 88.1 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1500 | 49.2 | 78.0 | 83.3 | 85.9 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1200 | 49.3 | 78.2 | 83.6 | 86.2 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 1000 | 49.3 | 78.2 | 83.6 | 86.4 | 90.1 | 90.8 | 91.2 | 91.2 | 91.2 | 91.5 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 900 | 49.3 | 78.4 | 83.6 | 86.6 | 90.3 | 91.0 | 91.7 | 91.7 | 91.7 | 91.9 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 800 | 49.3 | 79.0 | 84.3 | 87.3 | 91.1 | 91.8 | 92.5 | 92.5 | 92.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 700 | 49.4 | 79.4 | 84.7 | 87.9 | 91.7 | 92.4 | 93.1 | 93.1 | 93.4 | 93.6 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 600 | 49.4 | 79.5 | 84.9 | 88.0 | 92.1 | 92.9 | 93.6 | 94.4 | 94.4 | 94.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 500 | 49.4 | 79.5 | 85.2 | 88.4 | 92.7 | 93.8 | 94.5 | 95.3 | 95.3 | 95.6 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 400 | 49.4 | 79.5 | 85.3 | 88.7 | 92.9 | 94.1 | 94.8 | 96.2 | 96.5 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 300 | 49.4 | 79.5 | 85.3 | 88.8 | 93.1 | 94.5 | 95.3 | 96.8 | 97.2 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 200 | 49.4 | 79.5 | 85.3 | 88.8 | 93.1 | 94.5 | 95.8 | 97.5 | 97.9 | 98.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 100 | 49.4 | 79.5 | 85.3 | 88.8 | 93.1 | 94.5 | 95.8 | 97.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 0 | 49.4 | 79.5 | 85.3 | 88.8 | 93.1 | 94.5 | 95.8 | 97.6 | 98.7 | 99.0 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 738

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: APR HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 38.0 | 54.7 | 58.0 | 59.7 | 60.4 | 60.4 | 60.4 | 60.8 | 60.8 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 20000 | 37.7 | 59.7 | 61.2 | 64.9 | 66.0 | 66.0 | 66.0 | 66.5 | 66.5 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 18000 | 37.7 | 59.7 | 63.2 | 64.9 | 66.0 | 66.0 | 66.0 | 66.5 | 66.5 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 16000 | 37.7 | 59.7 | 63.2 | 64.9 | 66.0 | 66.0 | 66.0 | 66.5 | 66.5 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 14000 | 38.0 | 59.9 | 63.4 | 66.1 | 66.3 | 66.3 | 66.3 | 66.7 | 66.7 | 67.2 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 12000 | 38.0 | 61.3 | 64.9 | 66.5 | 67.7 | 67.7 | 67.7 | 67.9 | 68.4 | 68.4 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 10000 | 38.9 | 64.6 | 68.6 | 70.3 | 71.5 | 71.5 | 71.7 | 72.2 | 72.2 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 9000 | 39.4 | 65.1 | 69.1 | 70.8 | 71.9 | 71.9 | 72.2 | 72.6 | 72.6 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 8000 | 41.5 | 67.5 | 72.4 | 74.1 | 75.2 | 75.2 | 75.5 | 75.9 | 75.9 | 76.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 7000 | 42.0 | 68.2 | 73.1 | 74.8 | 75.9 | 75.9 | 76.2 | 76.7 | 76.7 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 6000 | 42.9 | 69.3 | 74.3 | 75.9 | 77.1 | 77.1 | 77.4 | 77.8 | 77.8 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 5000 | 43.4 | 71.2 | 76.2 | 77.8 | 79.2 | 79.2 | 79.5 | 80.0 | 80.0 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 4500 | 43.6 | 71.7 | 76.7 | 78.3 | 79.7 | 79.7 | 80.0 | 80.4 | 80.4 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 4000 | 44.3 | 72.9 | 78.1 | 80.0 | 81.6 | 81.6 | 81.8 | 82.3 | 82.3 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 3500 | 44.6 | 73.8 | 79.2 | 81.1 | 82.8 | 82.8 | 83.0 | 83.5 | 83.5 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 3000 | 44.6 | 74.1 | 79.7 | 81.8 | 83.7 | 83.7 | 84.0 | 84.4 | 84.4 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 2500 | 44.6 | 74.5 | 80.2 | 82.5 | 84.4 | 84.7 | 84.9 | 85.4 | 85.4 | 85.8 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 2000 | 44.6 | 75.0 | 80.9 | 83.3 | 85.1 | 85.6 | 86.1 | 86.6 | 86.6 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1800 | 44.6 | 75.0 | 80.9 | 83.3 | 85.1 | 85.6 | 86.1 | 86.6 | 86.6 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 44.8 | 76.2 | 82.3 | 84.9 | 86.8 | 87.3 | 87.7 | 88.2 | 88.2 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 1200 | 45.0 | 76.4 | 82.5 | 85.1 | 87.3 | 87.7 | 88.2 | 88.7 | 88.7 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 1000 | 45.0 | 77.4 | 83.7 | 86.3 | 88.7 | 89.4 | 89.9 | 90.3 | 90.3 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 900 | 45.0 | 77.4 | 83.7 | 86.3 | 88.7 | 89.6 | 90.3 | 90.8 | 90.8 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 800 | 45.3 | 77.6 | 84.0 | 86.6 | 88.9 | 89.9 | 90.6 | 91.0 | 91.0 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 700 | 45.3 | 77.8 | 84.4 | 87.3 | 89.6 | 90.6 | 91.5 | 92.0 | 92.0 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 600 | 45.3 | 78.1 | 84.7 | 87.7 | 90.3 | 91.3 | 92.2 | 92.9 | 92.9 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 500 | 45.3 | 78.8 | 85.4 | 88.7 | 91.7 | 92.7 | 94.1 | 95.0 | 95.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 400 | 45.3 | 78.8 | 85.4 | 89.2 | 92.2 | 93.2 | 94.8 | 96.0 | 96.0 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 300 | 45.3 | 78.8 | 85.4 | 89.2 | 92.2 | 93.2 | 94.8 | 96.0 | 96.0 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 200 | 45.3 | 78.8 | 85.4 | 89.2 | 92.2 | 93.2 | 94.8 | 96.0 | 96.0 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 100 | 45.3 | 78.8 | 85.4 | 89.2 | 92.2 | 93.2 | 94.8 | 96.0 | 96.0 | 97.9 | 98.1 | 98.1 | 98.6 | 98.6 | 99.3 | 99.3 |
| GE 70 | 45.3 | 78.8 | 85.4 | 89.2 | 92.2 | 93.2 | 94.8 | 96.0 | 96.0 | 97.9 | 98.1 | 98.1 | 98.8 | 98.8 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 424

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.0 | 50.1 | 52.6 | 54.0 | 54.8 | 55.0 | 55.1 | 55.3 | 55.3 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 |
| GE 20000 | 40.1 | 56.5 | 59.5 | 61.3 | 62.4 | 62.6 | 62.8 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 |
| GE 18000 | 40.1 | 56.6 | 59.6 | 61.4 | 62.4 | 62.7 | 62.9 | 63.0 | 63.0 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 16000 | 40.1 | 56.6 | 59.6 | 61.4 | 62.5 | 62.7 | 62.9 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 14000 | 40.5 | 57.4 | 60.5 | 62.3 | 63.3 | 63.6 | 63.8 | 64.0 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 12000 | 40.9 | 58.5 | 61.6 | 63.5 | 64.7 | 65.0 | 65.2 | 65.4 | 65.4 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 10000 | 42.2 | 62.0 | 65.6 | 67.6 | 68.8 | 69.2 | 69.5 | 69.6 | 69.6 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 9000 | 42.3 | 62.1 | 65.7 | 67.7 | 69.0 | 69.3 | 69.6 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 |
| GE 8000 | 43.1 | 64.4 | 68.4 | 70.5 | 71.7 | 72.1 | 72.4 | 72.5 | 72.5 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 7000 | 43.4 | 64.9 | 68.9 | 71.0 | 72.3 | 72.7 | 73.0 | 73.1 | 73.1 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 6000 | 44.6 | 66.6 | 70.8 | 72.9 | 74.2 | 74.6 | 74.9 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 |
| GE 5000 | 45.7 | 68.4 | 72.8 | 75.0 | 76.5 | 76.9 | 77.3 | 77.4 | 77.4 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 4500 | 46.2 | 69.3 | 73.8 | 76.0 | 77.6 | 78.0 | 78.3 | 78.5 | 78.5 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 4000 | 47.3 | 71.0 | 75.6 | 77.9 | 79.6 | 80.1 | 80.5 | 80.6 | 80.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 3500 | 47.6 | 71.6 | 76.2 | 78.6 | 80.3 | 80.8 | 81.2 | 81.4 | 81.4 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 3000 | 48.1 | 72.8 | 77.7 | 80.1 | 82.0 | 82.6 | 83.0 | 83.2 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 |
| GE 2500 | 48.4 | 73.9 | 78.8 | 81.3 | 83.3 | 83.9 | 84.3 | 84.5 | 84.5 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 2000 | 48.7 | 75.3 | 80.5 | 83.0 | 85.2 | 85.9 | 86.3 | 86.5 | 86.5 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 1800 | 48.7 | 75.5 | 80.7 | 83.3 | 85.4 | 86.1 | 86.6 | 86.8 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 |
| GE 1500 | 48.8 | 76.3 | 81.9 | 84.6 | 87.0 | 87.7 | 88.2 | 88.4 | 88.4 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 1200 | 48.9 | 76.9 | 82.5 | 85.3 | 87.8 | 88.6 | 89.1 | 89.3 | 89.3 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1000 | 49.0 | 77.4 | 83.3 | 86.2 | 89.1 | 89.8 | 90.5 | 90.7 | 90.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 900 | 49.0 | 77.6 | 83.6 | 86.6 | 89.5 | 90.3 | 91.0 | 91.2 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 |
| GE 800 | 49.0 | 77.9 | 84.0 | 87.1 | 90.2 | 91.1 | 91.8 | 92.1 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 |
| GE 700 | 49.0 | 78.1 | 84.2 | 87.4 | 90.6 | 91.5 | 92.4 | 92.7 | 92.8 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 600 | 49.0 | 78.3 | 84.5 | 87.9 | 91.2 | 92.3 | 93.3 | 94.0 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 |
| GE 500 | 49.0 | 78.5 | 84.9 | 88.4 | 92.2 | 93.5 | 95.0 | 95.9 | 96.0 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 400 | 49.0 | 78.6 | 85.1 | 88.6 | 92.4 | 93.8 | 95.4 | 96.8 | 96.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 300 | 49.0 | 78.6 | 85.1 | 88.7 | 92.5 | 94.1 | 95.9 | 97.4 | 97.5 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 200 | 49.0 | 78.6 | 85.1 | 88.7 | 92.5 | 94.1 | 96.0 | 97.6 | 97.7 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 100 | 49.0 | 78.6 | 85.1 | 88.7 | 92.5 | 94.1 | 96.0 | 97.6 | 97.7 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| GE 0 | 49.0 | 78.6 | 85.1 | 88.7 | 92.5 | 94.1 | 96.0 | 97.6 | 97.7 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4341

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS (LST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE G |
| NO CEIL | 13.8 | 29.1 | 32.8 | 38.1 | 44.1 | 45.9 | 47.2 | 48.3 | 48.3 | 48.8 | 49.0 | 49.0 | 49.4 | 49.4 | 49.7 | 49.7 |
| GE 20000 | 15.0 | 33.1 | 38.2 | 44.1 | 51.4 | 53.5 | 54.9 | 56.0 | 56.0 | 56.6 | 56.7 | 56.7 | 57.2 | 57.2 | 57.4 | 57.4 |
| GE 18000 | 15.0 | 33.1 | 38.2 | 44.1 | 51.4 | 53.5 | 54.9 | 56.0 | 56.0 | 56.6 | 56.7 | 56.7 | 57.2 | 57.2 | 57.4 | 57.4 |
| GE 16000 | 15.0 | 33.1 | 38.2 | 44.1 | 51.4 | 53.5 | 54.9 | 56.0 | 56.0 | 56.6 | 56.7 | 56.7 | 57.2 | 57.2 | 57.4 | 57.4 |
| GE 14000 | 15.3 | 35.0 | 40.4 | 46.5 | 53.9 | 56.0 | 57.4 | 58.6 | 58.6 | 59.1 | 59.3 | 59.3 | 59.7 | 59.7 | 60.0 | 60.0 |
| GE 12000 | 15.4 | 35.1 | 40.6 | 46.9 | 54.4 | 56.5 | 58.0 | 59.1 | 59.1 | 59.7 | 59.8 | 59.8 | 60.3 | 60.3 | 60.5 | 60.5 |
| GE 10000 | 16.4 | 38.2 | 44.7 | 51.6 | 59.6 | 62.3 | 63.9 | 65.4 | 65.4 | 66.0 | 66.1 | 66.1 | 66.6 | 66.6 | 66.8 | 66.8 |
| GE 9000 | 16.4 | 38.2 | 44.7 | 51.6 | 59.6 | 62.3 | 63.9 | 65.4 | 65.4 | 66.0 | 66.1 | 66.1 | 66.6 | 66.6 | 66.8 | 66.8 |
| GE 8000 | 16.7 | 39.0 | 45.9 | 53.1 | 61.2 | 64.6 | 65.6 | 67.1 | 67.1 | 67.7 | 67.8 | 67.8 | 68.3 | 68.3 | 68.5 | 68.5 |
| GE 7000 | 16.9 | 39.7 | 46.6 | 53.9 | 62.0 | 64.8 | 66.4 | 67.9 | 67.9 | 68.6 | 68.8 | 68.8 | 69.2 | 69.2 | 69.4 | 69.4 |
| GE 6000 | 17.2 | 40.2 | 47.2 | 54.5 | 62.7 | 65.5 | 67.2 | 68.9 | 68.9 | 69.6 | 69.7 | 69.7 | 70.1 | 70.1 | 70.4 | 70.4 |
| GE 5000 | 17.4 | 40.7 | 48.0 | 55.4 | 63.8 | 66.7 | 68.4 | 70.0 | 70.0 | 70.8 | 70.9 | 70.9 | 71.4 | 71.4 | 71.6 | 71.6 |
| GE 4500 | 17.4 | 40.9 | 48.5 | 55.9 | 64.2 | 67.1 | 68.9 | 70.5 | 70.5 | 71.3 | 71.4 | 71.4 | 71.9 | 71.9 | 72.1 | 72.1 |
| GE 4000 | 17.6 | 41.6 | 49.5 | 57.4 | 66.2 | 69.1 | 70.9 | 72.7 | 72.7 | 73.5 | 73.6 | 73.6 | 74.1 | 74.1 | 74.3 | 74.3 |
| GE 3500 | 17.7 | 42.1 | 50.1 | 58.3 | 67.1 | 70.0 | 71.9 | 73.6 | 73.6 | 74.4 | 74.5 | 74.5 | 75.0 | 75.0 | 75.2 | 75.2 |
| GE 3000 | 17.8 | 43.1 | 51.3 | 59.7 | 69.1 | 72.0 | 74.1 | 75.9 | 75.9 | 76.7 | 76.9 | 76.9 | 77.3 | 77.3 | 77.5 | 77.5 |
| GE 2500 | 17.8 | 43.6 | 52.1 | 60.6 | 70.0 | 73.0 | 75.1 | 77.0 | 77.0 | 77.8 | 77.9 | 77.9 | 78.4 | 78.4 | 78.6 | 78.6 |
| GE 2000 | 17.9 | 44.1 | 53.0 | 61.6 | 70.9 | 74.1 | 76.3 | 78.1 | 78.1 | 78.9 | 79.1 | 79.1 | 79.5 | 79.5 | 79.7 | 79.7 |
| GE 1800 | 17.9 | 44.2 | 53.1 | 61.7 | 71.2 | 74.3 | 76.5 | 78.4 | 78.4 | 79.2 | 79.3 | 79.3 | 79.7 | 79.7 | 80.0 | 80.0 |
| GE 1500 | 18.2 | 44.8 | 53.8 | 62.8 | 72.6 | 76.4 | 78.7 | 80.6 | 80.6 | 81.4 | 81.5 | 81.5 | 81.9 | 81.9 | 82.2 | 82.2 |
| GE 1200 | 18.2 | 44.8 | 54.1 | 63.4 | 73.1 | 77.1 | 79.5 | 81.4 | 81.4 | 82.2 | 82.3 | 82.3 | 82.8 | 82.8 | 83.0 | 83.0 |
| GE 1000 | 18.5 | 45.8 | 55.8 | 65.3 | 75.1 | 79.1 | 81.6 | 83.6 | 83.6 | 84.4 | 84.5 | 84.5 | 85.0 | 85.0 | 85.2 | 85.2 |
| GE 900 | 18.5 | 45.9 | 56.1 | 65.9 | 75.7 | 79.7 | 82.4 | 84.4 | 84.4 | 85.2 | 85.3 | 85.3 | 85.8 | 85.8 | 86.0 | 86.0 |
| GE 800 | 18.6 | 46.5 | 56.8 | 66.9 | 77.0 | 81.1 | 83.8 | 85.9 | 85.9 | 86.8 | 86.9 | 86.9 | 87.4 | 87.4 | 87.6 | 87.6 |
| GE 700 | 18.6 | 46.5 | 57.2 | 67.2 | 77.9 | 82.4 | 85.2 | 87.4 | 87.4 | 88.3 | 88.4 | 88.4 | 88.9 | 88.9 | 89.1 | 89.1 |
| GE 600 | 18.6 | 47.1 | 58.1 | 68.5 | 79.3 | 84.1 | 87.0 | 89.4 | 89.4 | 90.5 | 90.6 | 90.6 | 91.1 | 91.1 | 91.3 | 91.3 |
| GE 500 | 18.8 | 47.7 | 59.0 | 69.8 | 80.9 | 86.5 | 89.7 | 92.5 | 92.5 | 93.8 | 93.9 | 93.9 | 94.3 | 94.3 | 94.6 | 94.7 |
| GE 400 | 18.8 | 47.7 | 59.1 | 69.9 | 81.4 | 87.3 | 90.7 | 93.6 | 93.6 | 95.4 | 95.5 | 95.5 | 95.9 | 95.9 | 96.3 | 96.4 |
| GE 300 | 18.8 | 47.7 | 59.1 | 69.9 | 81.4 | 87.4 | 91.3 | 94.6 | 94.6 | 96.6 | 97.2 | 97.2 | 97.7 | 97.7 | 98.1 | 98.3 |
| GE 200 | 18.8 | 47.7 | 59.1 | 69.9 | 81.4 | 87.4 | 91.4 | 94.9 | 94.9 | 97.7 | 98.3 | 98.3 | 98.7 | 98.7 | 99.2 | 99.3 |
| GE 100 | 18.8 | 47.7 | 59.1 | 69.9 | 81.4 | 87.4 | 91.4 | 94.9 | 94.9 | 97.7 | 98.3 | 98.3 | 98.8 | 98.8 | 99.4 | 99.5 |
| GE | 18.8 | 47.7 | 59.1 | 69.9 | 81.4 | 87.4 | 91.4 | 94.9 | 94.9 | 97.7 | 98.3 | 98.3 | 98.8 | 98.8 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS (LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 31.5 | 43.4 | 48.1 | 50.6 | 52.4 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| GE 20000 | 35.2 | 50.4 | 55.9 | 59.1 | 61.7 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 18000 | 35.2 | 50.4 | 55.9 | 59.1 | 61.7 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 16000 | 35.2 | 50.4 | 55.9 | 59.1 | 61.7 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 14000 | 35.3 | 51.2 | 56.8 | 60.0 | 62.7 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 12000 | 35.5 | 51.7 | 57.3 | 60.5 | 63.2 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 10000 | 36.6 | 54.5 | 60.8 | 64.5 | 67.3 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 9000 | 36.6 | 54.5 | 60.8 | 64.5 | 67.3 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 8000 | 37.2 | 55.8 | 62.0 | 65.8 | 68.6 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| GE 7000 | 37.6 | 56.7 | 63.0 | 67.0 | 69.8 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 6000 | 38.0 | 57.1 | 63.5 | 67.7 | 70.9 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 5000 | 38.4 | 58.4 | 64.9 | 69.1 | 72.4 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 4500 | 38.4 | 58.8 | 65.4 | 69.6 | 72.8 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 4000 | 38.5 | 59.4 | 66.0 | 70.2 | 73.5 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 3500 | 39.0 | 60.2 | 67.1 | 71.4 | 74.7 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 3000 | 39.6 | 61.9 | 69.1 | 73.4 | 76.9 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 2500 | 40.5 | 63.5 | 70.9 | 75.3 | 78.8 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 2000 | 41.5 | 65.3 | 72.9 | 77.4 | 81.1 | 81.5 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 1800 | 41.5 | 65.7 | 73.4 | 78.1 | 81.7 | 82.2 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 1500 | 42.2 | 68.6 | 76.7 | 81.6 | 85.6 | 86.3 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 1200 | 42.2 | 68.9 | 77.2 | 82.4 | 86.5 | 87.4 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1000 | 42.8 | 70.6 | 79.6 | 84.9 | 89.0 | 90.3 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 900 | 42.8 | 70.8 | 79.8 | 85.2 | 89.4 | 90.8 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 800 | 42.8 | 71.3 | 81.0 | 86.7 | 91.2 | 92.9 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 700 | 43.0 | 71.9 | 81.7 | 87.4 | 92.0 | 93.8 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 600 | 43.0 | 72.0 | 81.9 | 87.7 | 92.8 | 94.6 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 500 | 43.0 | 72.4 | 82.6 | 88.5 | 94.3 | 96.6 | 97.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400 | 43.0 | 72.4 | 82.6 | 88.5 | 94.4 | 97.0 | 98.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300 | 43.0 | 72.4 | 82.6 | 88.5 | 94.4 | 97.2 | 98.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 43.0 | 72.4 | 82.6 | 88.5 | 94.4 | 97.2 | 98.3 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 43.0 | 72.4 | 82.6 | 88.5 | 94.4 | 97.2 | 98.3 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 43.0 | 72.4 | 82.6 | 88.5 | 94.4 | 97.2 | 98.3 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 34.5 | 44.0 | 48.0 | 49.2 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 20000 | 38.4 | 51.0 | 55.8 | 57.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 18000 | 38.4 | 51.0 | 55.8 | 57.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 16000 | 38.4 | 51.0 | 55.8 | 57.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| GE 14000 | 39.1 | 52.3 | 57.1 | 58.9 | 59.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 12000 | 39.4 | 53.3 | 58.3 | 60.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 10000 | 40.6 | 56.5 | 61.6 | 63.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 9000 | 40.6 | 56.5 | 61.6 | 63.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 8000 | 41.7 | 58.0 | 63.1 | 65.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 7000 | 42.4 | 58.8 | 64.4 | 66.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| GE 6000 | 42.7 | 59.4 | 65.1 | 67.1 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 5000 | 44.1 | 61.7 | 67.7 | 70.0 | 71.5 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 4500 | 44.3 | 62.3 | 68.3 | 70.6 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 4000 | 45.7 | 64.2 | 70.9 | 73.4 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 3500 | 46.6 | 66.1 | 73.4 | 76.1 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 3000 | 48.2 | 69.7 | 77.2 | 80.1 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 2500 | 48.6 | 71.8 | 79.5 | 82.5 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 2000 | 49.2 | 74.2 | 82.2 | 85.4 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1800 | 49.6 | 74.6 | 82.6 | 86.0 | 88.3 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 1500 | 50.5 | 76.8 | 84.9 | 88.7 | 91.5 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 1200 | 50.6 | 77.5 | 85.9 | 89.8 | 92.7 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1000 | 50.6 | 78.6 | 87.4 | 91.5 | 94.4 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 900 | 50.6 | 78.9 | 87.8 | 91.9 | 94.8 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 800 | 50.6 | 78.9 | 87.8 | 91.9 | 94.9 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 700 | 50.8 | 79.2 | 88.4 | 92.5 | 95.6 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 600 | 50.8 | 79.5 | 88.6 | 92.7 | 96.1 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 500 | 50.8 | 79.7 | 88.8 | 92.9 | 96.6 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 400 | 50.8 | 79.7 | 88.8 | 92.9 | 96.7 | 98.2 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 50.8 | 79.7 | 88.8 | 92.9 | 97.0 | 98.5 | 99.4 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 50.8 | 79.7 | 88.8 | 92.9 | 97.0 | 98.5 | 99.4 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 50.8 | 79.7 | 88.8 | 92.9 | 97.0 | 98.5 | 99.4 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 50.8 | 79.7 | 88.8 | 92.9 | 97.0 | 98.5 | 99.4 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LST): 1500-1700

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 31.4 | 41.0 | 46.5 | 47.7 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| GE 20000 | 37.8 | 51.4 | 57.6 | 59.4 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 18000 | 37.8 | 51.4 | 57.6 | 59.4 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 16000 | 37.8 | 51.4 | 57.6 | 59.4 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| GE 14000 | 38.6 | 52.3 | 58.9 | 60.6 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| GE 12000 | 39.0 | 53.8 | 60.4 | 62.2 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| GE 10000 | 42.7 | 61.1 | 69.0 | 71.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 9000 | 42.7 | 61.1 | 69.0 | 71.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 8000 | 43.7 | 63.0 | 70.9 | 73.0 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 7000 | 44.4 | 63.9 | 71.8 | 73.9 | 75.1 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 6000 | 44.9 | 65.3 | 73.5 | 75.7 | 76.8 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 5000 | 46.1 | 67.2 | 75.8 | 78.1 | 79.2 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 4500 | 47.1 | 68.6 | 77.3 | 79.6 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 4000 | 48.5 | 70.3 | 79.1 | 81.4 | 82.5 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 3500 | 49.1 | 71.6 | 80.9 | 83.3 | 84.6 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 3000 | 49.9 | 73.9 | 83.9 | 86.5 | 87.8 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 2500 | 50.1 | 74.8 | 85.2 | 87.8 | 89.4 | 89.6 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 2000 | 50.3 | 75.6 | 86.2 | 88.9 | 90.4 | 90.6 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 1800 | 50.3 | 75.7 | 86.3 | 89.1 | 90.6 | 90.9 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1500 | 50.5 | 76.5 | 87.6 | 90.9 | 92.5 | 92.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1200 | 50.5 | 77.1 | 88.5 | 91.8 | 93.5 | 93.9 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 1000 | 50.6 | 77.5 | 89.2 | 92.5 | 94.3 | 94.8 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 900 | 50.6 | 77.7 | 89.5 | 92.8 | 94.6 | 95.1 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 800 | 50.9 | 78.2 | 90.1 | 93.5 | 95.4 | 95.9 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 700 | 50.9 | 78.2 | 90.6 | 94.1 | 96.2 | 96.7 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 600 | 50.9 | 78.2 | 90.8 | 94.2 | 96.3 | 97.0 | 97.7 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 500 | 50.9 | 78.2 | 90.8 | 94.6 | 96.7 | 97.3 | 98.5 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 50.9 | 78.2 | 90.8 | 94.6 | 96.8 | 97.6 | 98.7 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 50.9 | 78.2 | 90.8 | 94.6 | 96.8 | 97.7 | 98.9 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 50.9 | 78.2 | 90.8 | 94.6 | 96.8 | 97.7 | 98.9 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 50.9 | 78.2 | 90.8 | 94.6 | 96.8 | 97.7 | 98.9 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 50.9 | 78.2 | 90.8 | 94.6 | 96.8 | 97.7 | 98.9 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 790

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: MAY HOURS(LST): 1800-2100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|--------|--------|--------|------|----------|------|----------|------|------|------|------|-------|-------|-------|-------|
| IN | FEET | GE 1/8 | GE 1/4 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/2 | GE 2 | GE 2 1/2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 |
| NO CEIL | 1 | 29.2 | 45.0 | 51.8 | 53.3 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 20000 | 33.5 | 52.9 | 61.2 | 63.5 | 65.4 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 18000 | 33.5 | 52.9 | 61.2 | 63.5 | 65.4 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 16000 | 33.5 | 52.9 | 61.2 | 63.5 | 65.4 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 14000 | 33.9 | 54.1 | 62.4 | 64.7 | 66.7 | 66.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 12000 | 34.6 | 55.8 | 64.7 | 67.2 | 69.1 | 69.1 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 10000 | 37.5 | 61.3 | 71.1 | 73.8 | 76.0 | 76.0 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 9000 | 37.5 | 61.3 | 71.1 | 73.8 | 76.0 | 76.0 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 8000 | 38.2 | 62.5 | 72.7 | 75.6 | 77.8 | 77.8 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 7000 | 38.3 | 63.4 | 73.6 | 76.4 | 78.7 | 78.7 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 6000 | 38.4 | 64.6 | 74.9 | 77.8 | 80.0 | 80.0 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 5000 | 39.3 | 66.0 | 76.7 | 79.8 | 82.1 | 82.1 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 4500 | 39.4 | 66.4 | 77.1 | 80.2 | 82.6 | 82.6 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 4000 | 39.7 | 67.4 | 78.4 | 81.7 | 84.3 | 84.3 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 3500 | 39.9 | 68.6 | 79.6 | 82.9 | 85.7 | 85.7 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 3000 | 40.1 | 69.0 | 80.0 | 83.6 | 86.6 | 86.6 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 2500 | 40.2 | 69.1 | 80.2 | 83.7 | 87.1 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 2000 | 40.6 | 69.6 | 80.9 | 85.0 | 88.4 | 88.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1800 | 40.6 | 69.7 | 81.0 | 85.3 | 88.7 | 89.0 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 1500 | 40.8 | 70.5 | 82.0 | 86.4 | 90.1 | 90.5 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1200 | 40.9 | 71.1 | 82.5 | 86.9 | 90.6 | 91.2 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 1000 | 41.1 | 71.9 | 83.3 | 87.7 | 91.5 | 92.0 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 900 | 41.2 | 72.5 | 84.0 | 88.4 | 92.1 | 92.7 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 800 | 41.3 | 72.9 | 84.6 | 89.1 | 92.8 | 93.4 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 700 | 41.3 | 72.9 | 84.7 | 89.3 | 93.0 | 93.7 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 600 | 41.3 | 73.0 | 85.0 | 89.5 | 93.4 | 94.2 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 500 | 41.3 | 73.0 | 85.1 | 89.7 | 94.2 | 95.5 | 97.0 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 400 | 41.3 | 73.1 | 85.3 | 89.8 | 94.4 | 95.6 | 97.4 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| GE 300 | 41.3 | 73.1 | 85.3 | 89.8 | 94.4 | 95.6 | 97.4 | 98.8 | 98.8 | 98.8 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| GE 200 | 41.3 | 73.1 | 85.3 | 89.8 | 94.4 | 95.6 | 97.4 | 98.8 | 98.8 | 98.8 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 41.3 | 73.1 | 85.3 | 89.8 | 94.4 | 95.6 | 97.4 | 98.8 | 98.8 | 98.8 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE | 41.3 | 73.1 | 85.3 | 89.8 | 94.4 | 95.6 | 97.4 | 98.8 | 98.8 | 98.8 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87

MONTH: MAY HOURS(IST): 2100-2300

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 27.4 | 52.0 | 56.5 | 57.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 20000 | 27.8 | 56.9 | 62.5 | 64.5 | 67.3 | 67.3 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 18000 | 27.8 | 56.9 | 62.5 | 64.5 | 67.3 | 67.3 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 16000 | 27.8 | 56.9 | 62.5 | 64.5 | 67.3 | 67.3 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 14000 | 27.8 | 57.7 | 63.3 | 65.3 | 68.1 | 68.1 | 68.1 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 12000 | 28.2 | 58.5 | 64.1 | 66.5 | 69.4 | 69.4 | 69.4 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 10000 | 30.2 | 63.3 | 69.4 | 72.2 | 75.0 | 75.0 | 75.0 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 9000 | 30.2 | 63.3 | 69.4 | 72.2 | 75.0 | 75.0 | 75.0 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 8000 | 30.6 | 64.5 | 71.0 | 73.8 | 76.6 | 76.6 | 76.6 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 7000 | 31.5 | 66.1 | 73.0 | 75.8 | 78.6 | 78.6 | 78.6 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 6000 | 31.9 | 68.1 | 75.0 | 77.8 | 80.6 | 80.6 | 80.6 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 5000 | 33.1 | 69.8 | 77.0 | 79.8 | 82.7 | 82.7 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 4500 | 33.1 | 70.2 | 77.4 | 80.2 | 83.1 | 83.1 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 4000 | 33.9 | 72.2 | 79.8 | 82.7 | 85.5 | 85.5 | 85.5 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 3500 | 33.9 | 72.6 | 80.6 | 83.5 | 86.3 | 86.3 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 3000 | 33.9 | 73.0 | 81.0 | 83.9 | 87.5 | 87.5 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2500 | 33.9 | 73.0 | 81.0 | 84.3 | 87.9 | 87.9 | 88.3 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 2000 | 33.9 | 73.4 | 81.5 | 84.7 | 88.3 | 88.7 | 89.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 1800 | 33.9 | 73.4 | 81.5 | 84.7 | 88.7 | 89.1 | 89.5 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 1500 | 33.9 | 73.4 | 81.9 | 85.1 | 89.1 | 89.5 | 89.9 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 1200 | 34.7 | 75.0 | 83.5 | 86.7 | 90.7 | 91.1 | 91.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 1000 | 34.7 | 75.4 | 83.9 | 87.1 | 91.1 | 91.5 | 91.9 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 900 | 35.1 | 75.8 | 84.3 | 87.5 | 91.5 | 91.9 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 800 | 35.1 | 75.8 | 84.3 | 87.5 | 91.5 | 91.9 | 92.3 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 700 | 35.1 | 76.2 | 84.7 | 87.9 | 91.9 | 92.3 | 92.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 600 | 35.1 | 76.6 | 85.1 | 88.3 | 92.7 | 93.1 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 500 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.0 | 97.2 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 400 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.0 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 300 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.4 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 200 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.4 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 100 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.4 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 0 | 35.1 | 77.0 | 86.3 | 89.5 | 94.4 | 94.8 | 96.4 | 98.0 | 98.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS: 248

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 28.1 | 41.1 | 45.9 | 48.2 | 50.2 | 50.6 | 50.8 | 51.0 | 51.0 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 |
| GE 20000 | 31.8 | 48.1 | 54.0 | 57.0 | 59.7 | 60.2 | 60.6 | 60.8 | 60.8 | 60.9 | 61.7 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 18000 | 31.8 | 48.1 | 54.0 | 57.0 | 59.7 | 60.2 | 60.6 | 60.8 | 60.8 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 16000 | 31.8 | 48.1 | 54.0 | 57.0 | 59.7 | 60.2 | 60.6 | 60.8 | 60.8 | 60.9 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 14000 | 32.2 | 49.3 | 55.3 | 58.4 | 61.1 | 61.7 | 62.0 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 |
| GE 12000 | 32.5 | 50.2 | 56.4 | 59.5 | 62.3 | 62.8 | 63.2 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 10000 | 34.4 | 54.5 | 61.4 | 65.0 | 68.0 | 68.6 | 69.1 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 9000 | 34.4 | 54.5 | 61.4 | 65.0 | 68.0 | 68.6 | 69.1 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 8000 | 35.1 | 55.9 | 62.9 | 66.5 | 69.6 | 70.3 | 70.7 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 |
| GE 7000 | 35.6 | 56.7 | 63.9 | 67.6 | 70.7 | 71.3 | 71.8 | 72.1 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 |
| GE 6000 | 35.9 | 57.6 | 65.0 | 68.6 | 71.9 | 72.5 | 73.0 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 5000 | 36.7 | 59.1 | 66.8 | 70.6 | 73.9 | 74.6 | 75.1 | 75.4 | 75.4 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 4500 | 37.0 | 59.6 | 67.4 | 71.2 | 74.6 | 75.3 | 75.8 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 4000 | 37.7 | 60.9 | 68.9 | 72.9 | 76.4 | 77.2 | 77.7 | 78.0 | 78.0 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 3500 | 38.1 | 62.0 | 70.3 | 74.5 | 78.0 | 78.8 | 79.3 | 79.7 | 79.7 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 |
| GE 3000 | 38.7 | 63.8 | 72.4 | 76.7 | 80.5 | 81.3 | 81.9 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.6 | 82.6 |
| GE 2500 | 39.1 | 64.8 | 73.6 | 78.0 | 82.0 | 82.8 | 83.4 | 83.8 | 83.8 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 2000 | 39.5 | 66.0 | 75.1 | 79.7 | 83.7 | 84.6 | 85.2 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 1800 | 39.6 | 66.2 | 75.4 | 80.0 | 84.1 | 85.0 | 85.7 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 |
| GE 1500 | 40.1 | 67.7 | 77.0 | 82.1 | 86.5 | 87.6 | 88.4 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1200 | 40.2 | 68.2 | 77.7 | 82.9 | 87.3 | 88.7 | 89.5 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1000 | 40.4 | 69.2 | 79.2 | 84.4 | 88.9 | 90.3 | 91.2 | 91.6 | 91.6 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 |
| GE 900 | 40.4 | 69.5 | 79.5 | 84.8 | 89.3 | 90.8 | 91.7 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 |
| GE 800 | 40.5 | 69.8 | 80.1 | 85.6 | 90.3 | 91.8 | 92.8 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 700 | 40.6 | 70.1 | 80.6 | 86.1 | 90.9 | 92.6 | 93.6 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 600 | 40.6 | 70.3 | 80.9 | 86.5 | 91.6 | 93.4 | 94.5 | 95.2 | 95.2 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 500 | 40.6 | 70.5 | 81.4 | 87.1 | 92.6 | 94.7 | 96.3 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 |
| GE 400 | 40.6 | 70.5 | 81.4 | 87.2 | 92.8 | 95.1 | 96.7 | 97.9 | 97.9 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 |
| GE 300 | 40.6 | 70.5 | 81.4 | 87.2 | 92.8 | 95.3 | 97.0 | 98.3 | 98.3 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 200 | 40.6 | 70.5 | 81.4 | 87.2 | 92.8 | 95.3 | 97.0 | 98.4 | 98.4 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| GE 100 | 40.6 | 70.5 | 81.4 | 87.2 | 92.8 | 95.3 | 97.0 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 0 | 40.6 | 70.5 | 81.4 | 87.2 | 92.8 | 95.3 | 97.0 | 98.4 | 98.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4488

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS (LST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 15.4 | 32.5 | 39.2 | 45.6 | 51.3 | 55.3 | 57.4 | 58.2 | 58.2 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 20000 | 16.7 | 36.5 | 44.4 | 51.8 | 58.4 | 63.2 | 65.8 | 66.8 | 66.8 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 18000 | 16.7 | 36.5 | 44.4 | 51.8 | 58.4 | 63.2 | 65.8 | 66.8 | 66.8 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 16000 | 16.7 | 36.5 | 44.4 | 51.8 | 58.4 | 63.2 | 65.8 | 66.8 | 66.8 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 14000 | 16.7 | 36.5 | 44.7 | 52.4 | 59.2 | 63.9 | 66.5 | 67.5 | 67.5 | 68.0 | 68.0 | 68.0 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 12000 | 16.7 | 36.8 | 45.2 | 52.9 | 59.9 | 64.7 | 67.3 | 68.3 | 68.3 | 68.8 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 10000 | 17.9 | 41.4 | 50.9 | 59.8 | 67.8 | 73.2 | 75.9 | 77.0 | 77.0 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 9000 | 17.9 | 41.7 | 51.2 | 60.0 | 68.0 | 73.4 | 76.2 | 77.3 | 77.3 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 8000 | 18.1 | 42.9 | 52.8 | 61.8 | 70.0 | 75.7 | 78.4 | 79.5 | 79.5 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 7000 | 18.2 | 43.2 | 53.1 | 62.0 | 70.7 | 76.3 | 79.0 | 80.1 | 80.1 | 80.6 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 6000 | 18.2 | 43.6 | 53.4 | 62.7 | 71.3 | 76.9 | 79.8 | 80.9 | 80.9 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 5000 | 18.4 | 43.9 | 53.9 | 63.4 | 72.7 | 78.5 | 81.4 | 82.6 | 82.6 | 83.1 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 4500 | 18.4 | 44.1 | 54.2 | 63.8 | 73.0 | 78.9 | 81.8 | 83.0 | 83.0 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 4000 | 18.7 | 44.8 | 55.1 | 64.7 | 74.0 | 79.9 | 82.8 | 84.1 | 84.1 | 84.6 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 3500 | 18.7 | 44.8 | 55.1 | 64.7 | 74.0 | 79.9 | 82.8 | 84.1 | 84.1 | 84.6 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 3000 | 19.1 | 45.3 | 55.7 | 65.3 | 74.8 | 80.6 | 83.6 | 85.1 | 85.1 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 2500 | 19.1 | 45.8 | 56.4 | 66.0 | 75.7 | 81.5 | 84.6 | 86.1 | 86.1 | 86.6 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 2000 | 19.4 | 46.6 | 57.2 | 66.8 | 76.4 | 82.3 | 85.5 | 87.0 | 87.0 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 1800 | 19.5 | 46.8 | 57.4 | 67.0 | 76.7 | 82.5 | 85.8 | 87.3 | 87.3 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 1500 | 20.1 | 48.1 | 59.1 | 68.8 | 78.4 | 84.3 | 87.5 | 89.0 | 89.0 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 1200 | 20.1 | 48.4 | 59.6 | 69.4 | 79.2 | 85.0 | 88.3 | 89.8 | 89.8 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 1000 | 20.2 | 49.9 | 61.2 | 71.3 | 81.1 | 87.3 | 90.6 | 92.3 | 92.3 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 900 | 20.2 | 50.1 | 61.4 | 71.5 | 81.8 | 87.9 | 91.3 | 93.0 | 93.0 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 800 | 20.2 | 50.4 | 61.8 | 72.3 | 83.1 | 89.4 | 92.9 | 94.6 | 94.6 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 700 | 20.2 | 50.6 | 62.0 | 72.5 | 83.5 | 89.9 | 93.5 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 600 | 20.3 | 50.7 | 62.4 | 72.9 | 84.0 | 90.4 | 94.1 | 96.0 | 96.0 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 500 | 20.3 | 50.8 | 62.5 | 73.3 | 84.6 | 91.1 | 95.3 | 97.3 | 97.3 | 98.0 | 98.0 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 400 | 20.3 | 50.8 | 62.5 | 73.3 | 84.6 | 91.4 | 95.6 | 97.8 | 97.9 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 300 | 20.3 | 50.8 | 62.5 | 73.3 | 84.8 | 91.6 | 95.9 | 98.3 | 98.4 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 20.3 | 50.8 | 62.5 | 73.3 | 84.8 | 91.6 | 95.9 | 98.3 | 98.4 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 20.3 | 50.8 | 62.5 | 73.3 | 84.8 | 91.6 | 95.9 | 98.3 | 98.4 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 20.3 | 50.8 | 62.5 | 73.3 | 84.8 | 91.6 | 95.9 | 98.3 | 98.4 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 28.2 | 41.1 | 47.2 | 53.0 | 59.6 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 20000 | 32.3 | 48.0 | 55.6 | 62.1 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 18000 | 32.3 | 48.0 | 55.6 | 62.1 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 16000 | 32.3 | 48.0 | 55.6 | 62.1 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 14000 | 32.9 | 49.1 | 56.7 | 63.2 | 70.3 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 12000 | 33.0 | 49.3 | 57.0 | 63.6 | 70.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 10000 | 34.4 | 52.7 | 61.4 | 68.6 | 76.0 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 9000 | 34.4 | 52.7 | 61.4 | 68.6 | 76.0 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 8000 | 35.3 | 55.0 | 64.0 | 71.1 | 78.9 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 7000 | 35.7 | 55.3 | 64.3 | 71.4 | 79.4 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 6000 | 35.8 | 55.8 | 64.8 | 71.9 | 79.9 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 5000 | 36.0 | 56.2 | 65.4 | 72.7 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 4500 | 36.1 | 56.3 | 65.6 | 72.9 | 81.1 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 4000 | 36.4 | 56.7 | 66.0 | 73.3 | 81.6 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3500 | 36.7 | 57.0 | 66.3 | 73.7 | 81.9 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 3000 | 36.8 | 57.6 | 67.1 | 74.6 | 82.8 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 2500 | 37.6 | 59.2 | 68.8 | 76.3 | 84.7 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 2000 | 38.6 | 61.4 | 71.6 | 79.1 | 87.6 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 1800 | 38.7 | 62.2 | 72.3 | 79.9 | 88.4 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 1600 | 39.0 | 64.1 | 74.7 | 82.2 | 91.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 1400 | 39.3 | 65.0 | 75.7 | 83.3 | 92.7 | 93.8 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 1200 | 47.0 | 66.2 | 76.9 | 84.8 | 94.3 | 95.4 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1000 | 40.0 | 66.2 | 76.9 | 84.8 | 94.4 | 95.6 | 95.9 | 96.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 800 | 40.4 | 67.0 | 77.7 | 85.7 | 95.7 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 700 | 40.4 | 67.1 | 77.8 | 86.0 | 96.1 | 97.2 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 600 | 40.4 | 67.2 | 78.1 | 86.4 | 96.7 | 97.8 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 500 | 40.4 | 67.3 | 78.3 | 86.9 | 97.3 | 98.4 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400 | 40.4 | 67.3 | 78.3 | 86.9 | 97.4 | 98.7 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 40.4 | 67.3 | 78.3 | 86.9 | 97.4 | 98.7 | 99.1 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 40.4 | 67.3 | 78.3 | 86.9 | 97.4 | 98.7 | 99.1 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 40.4 | 67.3 | 78.3 | 86.9 | 97.4 | 98.7 | 99.1 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 40.4 | 67.3 | 78.3 | 86.9 | 97.4 | 98.7 | 99.1 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 28.1 | 37.8 | 44.9 | 50.3 | 53.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| GE 20000 | 33.6 | 46.0 | 54.6 | 60.7 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 18000 | 33.6 | 46.0 | 54.6 | 60.7 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 16000 | 33.6 | 46.0 | 54.6 | 60.7 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 14000 | 34.0 | 46.8 | 55.3 | 61.4 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| GE 12000 | 34.4 | 47.7 | 56.2 | 62.4 | 66.6 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 10000 | 37.1 | 52.6 | 61.9 | 69.3 | 73.8 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 9000 | 37.1 | 52.6 | 61.9 | 69.3 | 73.8 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 8000 | 38.1 | 54.1 | 63.7 | 71.6 | 76.0 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 7000 | 38.4 | 54.6 | 64.2 | 72.1 | 76.6 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 6000 | 38.6 | 55.0 | 64.7 | 72.6 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 5000 | 39.6 | 56.6 | 66.3 | 74.2 | 78.7 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 4500 | 39.7 | 56.7 | 66.4 | 74.4 | 79.0 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 4000 | 40.7 | 58.0 | 68.1 | 76.2 | 80.9 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 3500 | 41.0 | 59.0 | 69.7 | 78.1 | 83.0 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 3000 | 41.8 | 61.2 | 72.7 | 82.2 | 87.6 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2500 | 43.0 | 63.1 | 75.7 | 85.4 | 91.0 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 2000 | 43.2 | 64.9 | 77.8 | 87.6 | 93.3 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 1800 | 44.0 | 65.8 | 78.8 | 88.6 | 94.3 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1500 | 44.4 | 66.8 | 79.8 | 89.9 | 95.9 | 96.4 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1200 | 44.6 | 67.3 | 80.3 | 90.7 | 96.8 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1000 | 44.6 | 67.3 | 80.4 | 90.8 | 96.9 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 900 | 44.6 | 67.3 | 80.4 | 90.8 | 97.0 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 800 | 44.6 | 67.4 | 80.8 | 91.1 | 97.3 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 700 | 44.6 | 67.4 | 80.9 | 91.2 | 97.4 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 600 | 44.6 | 67.6 | 81.1 | 91.7 | 98.2 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 44.6 | 67.6 | 81.1 | 91.7 | 98.2 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 44.6 | 67.6 | 81.1 | 91.7 | 98.3 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 300 | 44.6 | 67.6 | 81.1 | 91.7 | 98.3 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 44.6 | 67.6 | 81.1 | 91.7 | 98.3 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 44.6 | 67.6 | 81.1 | 91.7 | 98.3 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 44.6 | 67.6 | 81.1 | 91.7 | 98.3 | 99.2 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(1500-1700)

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 7/16 | GE 1/4 |
| NO CEIL | 27.8 | 38.2 | 45.6 | 52.7 | 55.3 | 56.0 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 20000 | 32.9 | 46.3 | 56.1 | 64.8 | 68.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 18000 | 32.9 | 46.3 | 56.1 | 64.8 | 68.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 16000 | 32.9 | 46.3 | 56.1 | 64.8 | 68.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 14000 | 33.0 | 46.6 | 56.4 | 65.1 | 68.5 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 12000 | 33.3 | 47.0 | 56.9 | 65.8 | 69.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 10000 | 34.8 | 50.8 | 61.0 | 70.6 | 74.0 | 75.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 9000 | 34.8 | 50.8 | 61.0 | 70.6 | 74.0 | 75.0 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 8000 | 36.1 | 53.1 | 63.5 | 73.3 | 76.9 | 77.9 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 7000 | 36.4 | 53.8 | 64.2 | 74.2 | 77.8 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 6000 | 36.9 | 54.5 | 64.9 | 75.2 | 78.9 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 5000 | 37.4 | 55.4 | 65.8 | 76.0 | 79.9 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 |
| GE 4500 | 37.4 | 55.6 | 66.1 | 76.3 | 80.4 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 |
| GE 4000 | 39.1 | 58.2 | 69.1 | 80.2 | 85.0 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 |
| GE 3500 | 39.4 | 59.0 | 70.3 | 82.0 | 86.7 | 88.0 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 |
| GE 3000 | 40.5 | 60.6 | 73.2 | 85.1 | 90.6 | 92.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 |
| GE 2500 | 41.8 | 62.0 | 74.7 | 86.9 | 92.4 | 93.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 |
| GE 2000 | 42.1 | 62.6 | 75.5 | 87.6 | 93.1 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 |
| GE 1800 | 42.1 | 62.8 | 75.6 | 87.7 | 93.2 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 |
| GE 1500 | 42.6 | 63.8 | 77.2 | 89.6 | 95.1 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 |
| GE 1200 | 42.7 | 63.9 | 77.3 | 89.9 | 95.4 | 97.0 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 |
| GE 1000 | 42.7 | 64.2 | 77.8 | 90.6 | 96.2 | 97.8 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 |
| GE 900 | 42.7 | 64.2 | 77.8 | 90.6 | 96.2 | 97.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 |
| GE 800 | 42.7 | 64.2 | 77.8 | 90.6 | 96.4 | 98.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 |
| GE 700 | 42.9 | 64.4 | 77.9 | 90.8 | 96.5 | 98.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 |
| GE 600 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| GE 500 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |
| GE 400 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |
| GE 300 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |
| GE 200 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |
| GE 100 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |
| GE 0 | 42.9 | 64.4 | 78.1 | 90.9 | 96.7 | 98.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 693

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-83,86-87
MONTH: JUN HOURS (LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|---------|---|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|------|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 25.0 | 38.2 | 46.4 | 53.1 | 57.2 | 59.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 2000 | 1 | 29.4 | 45.5 | 56.0 | 63.5 | 68.4 | 70.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 1800 | 1 | 29.4 | 45.5 | 56.0 | 63.5 | 68.4 | 70.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 1600 | 1 | 29.4 | 45.5 | 56.0 | 63.5 | 68.4 | 70.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 1400 | 1 | 29.8 | 46.4 | 57.0 | 64.6 | 69.5 | 72.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 1200 | 1 | 29.8 | 46.5 | 57.2 | 64.8 | 69.7 | 72.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 1000 | 1 | 30.6 | 49.9 | 62.1 | 70.7 | 76.1 | 78.8 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 900 | 1 | 30.6 | 49.9 | 62.1 | 70.7 | 76.1 | 78.8 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 800 | 1 | 31.3 | 51.4 | 64.0 | 72.8 | 78.3 | 81.0 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 700 | 1 | 31.5 | 52.6 | 65.1 | 73.9 | 79.7 | 82.4 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 600 | 1 | 31.6 | 53.0 | 65.7 | 74.6 | 80.4 | 83.1 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 500 | 1 | 31.6 | 53.3 | 66.3 | 75.6 | 81.4 | 84.1 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 400 | 1 | 31.6 | 53.5 | 66.5 | 75.8 | 81.6 | 84.3 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 300 | 1 | 32.5 | 55.7 | 68.7 | 78.2 | 84.6 | 87.8 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 250 | 1 | 32.8 | 56.3 | 69.4 | 78.8 | 85.4 | 88.8 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 200 | 1 | 33.2 | 57.7 | 71.2 | 80.9 | 87.6 | 91.2 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 150 | 1 | 33.3 | 57.9 | 71.4 | 81.0 | 87.8 | 91.4 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 100 | 1 | 33.5 | 58.5 | 72.3 | 82.1 | 88.8 | 92.6 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 80 | 1 | 33.5 | 58.9 | 72.6 | 82.4 | 89.2 | 92.9 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 60 | 1 | 33.7 | 59.4 | 73.3 | 83.2 | 90.4 | 94.1 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 40 | 1 | 33.7 | 59.9 | 74.1 | 84.1 | 91.2 | 94.9 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 30 | 1 | 33.7 | 60.2 | 74.5 | 84.9 | 92.4 | 96.1 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 20 | 1 | 33.7 | 60.2 | 74.5 | 84.9 | 92.4 | 96.1 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 10 | 1 | 33.7 | 60.4 | 74.6 | 85.3 | 92.9 | 96.6 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 5 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.1 | 96.8 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 0 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.1 | 97.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 0 | 1 | 33.7 | 60.4 | 74.6 | 85.4 | 93.4 | 97.3 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: JUN HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 1/16 | GE 1/4 |
| NO CEIL | 25.0 | 48.0 | 53.1 | 59.7 | 63.3 | 65.3 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 2000 | 27.6 | 54.1 | 59.7 | 66.8 | 70.9 | 74.0 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 1800 | 27.6 | 54.1 | 59.7 | 66.8 | 70.9 | 74.0 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 1600 | 27.6 | 54.1 | 59.7 | 66.8 | 70.9 | 74.0 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 1400 | 27.6 | 54.1 | 60.2 | 67.9 | 71.9 | 75.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 1200 | 27.6 | 54.1 | 60.7 | 68.4 | 72.4 | 75.5 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 1000 | 28.6 | 58.2 | 65.3 | 73.0 | 77.0 | 80.1 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 900 | 28.6 | 58.2 | 65.3 | 73.0 | 77.0 | 80.1 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 800 | 30.1 | 60.7 | 68.4 | 76.5 | 80.6 | 83.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 700 | 30.1 | 61.2 | 68.9 | 76.5 | 80.6 | 83.7 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 600 | 30.1 | 61.7 | 69.4 | 77.0 | 81.1 | 84.2 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 500 | 30.1 | 62.2 | 69.9 | 77.6 | 82.1 | 85.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 450 | 30.1 | 62.2 | 69.9 | 77.6 | 82.1 | 85.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 400 | 31.6 | 65.3 | 73.0 | 81.1 | 85.7 | 88.8 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 350 | 31.6 | 65.3 | 73.0 | 81.1 | 86.2 | 89.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 300 | 32.1 | 66.3 | 74.0 | 82.1 | 87.8 | 90.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 250 | 32.1 | 66.8 | 74.5 | 82.7 | 88.3 | 91.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 200 | 32.1 | 66.8 | 74.5 | 82.7 | 88.3 | 91.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 180 | 32.1 | 66.8 | 74.5 | 82.7 | 88.3 | 91.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 160 | 32.1 | 66.8 | 74.5 | 83.2 | 88.8 | 92.3 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 140 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 120 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 100 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 90 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 80 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 70 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 60 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 50 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 40 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 30 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 20 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 10 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 0 | 32.1 | 67.3 | 75.0 | 84.2 | 89.8 | 93.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |

TOTAL NUMBER OF OBSERVATIONS: 176

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 |
| NO CEIL | 25.0 | 78.1 | 45.0 | 51.2 | 55.7 | 57.2 | 57.9 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 20000 | 29.0 | 44.9 | 53.5 | 60.6 | 65.9 | 67.7 | 68.5 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 18000 | 29.0 | 44.9 | 53.5 | 60.6 | 65.9 | 67.7 | 68.5 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 16000 | 29.0 | 44.9 | 53.5 | 60.6 | 65.9 | 67.7 | 68.5 | 68.7 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 14000 | 29.3 | 45.5 | 54.2 | 61.5 | 66.7 | 68.5 | 69.3 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 12000 | 29.5 | 45.9 | 54.7 | 62.0 | 67.4 | 69.1 | 69.9 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 10000 | 31.0 | 50.0 | 59.7 | 67.9 | 73.6 | 75.6 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 9000 | 31.0 | 50.0 | 59.7 | 67.9 | 73.6 | 75.6 | 76.5 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 8000 | 31.9 | 51.9 | 61.8 | 70.2 | 76.2 | 78.2 | 79.0 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 7000 | 32.1 | 52.4 | 62.4 | 70.6 | 76.9 | 78.9 | 79.8 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 6000 | 32.3 | 52.9 | 62.9 | 71.4 | 77.5 | 79.6 | 80.4 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 5000 | 32.6 | 53.6 | 63.8 | 72.4 | 78.8 | 80.9 | 81.8 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 4500 | 32.7 | 53.7 | 64.0 | 72.7 | 79.0 | 81.2 | 82.1 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 4000 | 33.5 | 55.2 | 65.6 | 74.5 | 81.2 | 83.4 | 84.3 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 3500 | 33.8 | 55.7 | 66.3 | 75.4 | 82.1 | 84.4 | 85.3 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 3000 | 34.3 | 56.9 | 68.0 | 77.5 | 84.5 | 86.9 | 87.9 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 2500 | 35.0 | 58.1 | 69.5 | 79.1 | 86.2 | 88.6 | 89.6 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 2000 | 35.4 | 59.3 | 71.0 | 80.6 | 87.8 | 90.2 | 91.3 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 1800 | 35.6 | 59.8 | 71.5 | 81.1 | 88.3 | 90.7 | 91.8 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 1600 | 36.0 | 60.9 | 72.9 | 82.7 | 90.1 | 92.6 | 93.7 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 1400 | 36.1 | 61.5 | 73.6 | 83.5 | 91.0 | 93.5 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1200 | 36.3 | 62.1 | 74.3 | 84.5 | 92.2 | 94.8 | 96.0 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 1000 | 36.7 | 62.1 | 74.4 | 84.6 | 92.4 | 95.0 | 96.3 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 900 | 36.4 | 62.4 | 74.7 | 85.0 | 93.1 | 95.7 | 97.1 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 800 | 36.4 | 62.5 | 74.9 | 85.2 | 93.4 | 96.0 | 97.5 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 700 | 36.4 | 62.6 | 75.1 | 85.5 | 93.8 | 96.5 | 98.1 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 36.4 | 62.6 | 75.2 | 85.7 | 94.1 | 96.8 | 98.5 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 36.4 | 62.6 | 75.2 | 85.7 | 94.2 | 97.0 | 98.7 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 36.4 | 62.6 | 75.2 | 85.7 | 94.2 | 97.0 | 98.8 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 36.4 | 62.6 | 75.2 | 85.7 | 94.2 | 97.0 | 98.8 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 36.4 | 62.6 | 75.2 | 85.7 | 94.2 | 97.0 | 98.8 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 36.4 | 62.6 | 75.2 | 85.7 | 94.2 | 97.0 | 98.8 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4783

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 0600-2600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 10.8 | 23.8 | 31.3 | 37.3 | 44.4 | 48.6 | 52.6 | 54.4 | 54.7 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 | 55.2 | 55.2 |
| GE 20000 | 11.7 | 27.6 | 36.5 | 43.5 | 52.3 | 57.8 | 62.4 | 64.5 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 |
| GE 18000 | 11.7 | 27.6 | 36.5 | 43.5 | 52.3 | 57.8 | 62.4 | 64.5 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 |
| GE 16000 | 11.7 | 27.6 | 36.5 | 43.5 | 52.3 | 57.8 | 62.4 | 64.5 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 |
| GE 14000 | 11.7 | 28.6 | 37.7 | 44.7 | 54.0 | 59.7 | 64.8 | 66.9 | 67.2 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 |
| GE 12000 | 11.7 | 29.1 | 38.8 | 45.8 | 55.2 | 61.1 | 66.1 | 68.3 | 68.5 | 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 |
| GE 10000 | 12.7 | 31.9 | 42.2 | 49.6 | 59.6 | 65.6 | 71.0 | 73.4 | 73.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 |
| GE 9000 | 12.7 | 32.1 | 42.5 | 50.0 | 60.0 | 66.0 | 71.4 | 73.8 | 74.0 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 |
| GE 8000 | 12.9 | 33.8 | 44.7 | 52.3 | 62.6 | 68.9 | 74.3 | 76.7 | 76.9 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 |
| GE 7000 | 13.0 | 34.0 | 45.6 | 53.1 | 63.6 | 69.8 | 75.2 | 77.6 | 77.9 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 |
| GE 6000 | 13.0 | 34.7 | 46.4 | 54.0 | 64.9 | 71.4 | 76.9 | 79.3 | 79.6 | 80.0 | 80.0 | 80.0 | 80.0 | 80.2 | 80.2 | 80.2 |
| GE 5000 | 13.1 | 35.1 | 46.9 | 54.6 | 65.5 | 72.0 | 77.5 | 79.9 | 80.2 | 80.6 | 80.6 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 |
| GE 4500 | 13.3 | 35.3 | 47.1 | 54.8 | 65.9 | 72.4 | 77.9 | 80.3 | 80.5 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 |
| GE 4000 | 13.5 | 35.8 | 47.7 | 55.5 | 66.8 | 73.4 | 79.1 | 81.5 | 81.9 | 82.3 | 82.3 | 82.3 | 82.3 | 82.5 | 82.5 | 82.5 |
| GE 3500 | 13.6 | 35.9 | 48.0 | 55.8 | 67.2 | 73.9 | 79.6 | 82.1 | 82.5 | 82.9 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 |
| GE 3000 | 13.8 | 36.9 | 48.9 | 56.7 | 68.5 | 75.6 | 81.5 | 84.0 | 84.4 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 |
| GE 2500 | 13.8 | 37.6 | 49.9 | 57.9 | 70.0 | 77.4 | 83.3 | 85.8 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 |
| GE 2000 | 13.9 | 38.0 | 50.2 | 58.3 | 70.3 | 77.9 | 83.8 | 86.3 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 |
| GE 1800 | 13.9 | 38.1 | 50.4 | 58.4 | 70.4 | 78.0 | 83.9 | 86.4 | 86.8 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 |
| GE 1500 | 14.5 | 39.3 | 51.8 | 59.9 | 72.0 | 79.6 | 85.6 | 88.1 | 88.5 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 |
| GE 1200 | 15.3 | 40.1 | 53.0 | 61.1 | 73.2 | 80.8 | 86.8 | 89.3 | 89.7 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 |
| GE 1000 | 15.5 | 41.0 | 54.1 | 62.5 | 74.9 | 82.6 | 88.6 | 91.2 | 91.6 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 |
| GE 900 | 15.5 | 41.0 | 54.1 | 62.5 | 75.0 | 82.7 | 88.7 | 91.3 | 91.7 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 800 | 15.5 | 41.2 | 54.4 | 63.0 | 75.7 | 83.7 | 89.8 | 92.4 | 92.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 |
| GE 700 | 15.5 | 41.3 | 54.7 | 63.3 | 76.1 | 84.1 | 90.5 | 93.1 | 93.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 |
| GE 600 | 15.6 | 41.5 | 54.8 | 63.5 | 76.4 | 84.6 | 91.2 | 93.9 | 94.2 | 94.8 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 |
| GE 500 | 15.7 | 41.9 | 55.6 | 64.4 | 78.0 | 86.3 | 93.7 | 95.9 | 96.3 | 96.9 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 |
| GE 400 | 15.7 | 41.9 | 55.6 | 64.5 | 78.2 | 86.7 | 93.9 | 96.9 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.2 |
| GE 300 | 15.7 | 41.9 | 55.6 | 64.5 | 78.2 | 86.7 | 94.0 | 97.1 | 97.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.2 |
| GE 200 | 15.7 | 41.9 | 55.6 | 64.5 | 78.2 | 86.7 | 94.0 | 97.1 | 97.6 | 98.8 | 98.8 | 98.8 | 98.8 | 99.4 | 99.4 | 99.6 |
| GE 100 | 15.7 | 41.9 | 55.6 | 64.5 | 78.2 | 86.7 | 94.0 | 97.1 | 97.6 | 98.8 | 98.8 | 98.8 | 98.8 | 99.4 | 99.4 | 99.6 |
| GE 0 | 15.7 | 41.9 | 55.6 | 64.5 | 78.2 | 86.7 | 94.0 | 97.1 | 97.6 | 98.8 | 98.8 | 98.8 | 98.8 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 17.2 | 34.6 | 39.8 | 44.4 | 49.8 | 53.0 | 54.2 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| GE 20000 | 21.1 | 40.8 | 47.5 | 53.0 | 59.1 | 62.4 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 18000 | 21.1 | 40.8 | 47.5 | 53.0 | 59.1 | 62.4 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 16000 | 21.1 | 40.8 | 47.5 | 53.0 | 59.1 | 62.4 | 63.6 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| GE 14000 | 21.7 | 41.8 | 48.9 | 54.7 | 60.9 | 64.3 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 12000 | 22.1 | 42.8 | 50.2 | 56.3 | 62.4 | 65.9 | 67.1 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 10000 | 23.5 | 44.9 | 52.5 | 58.8 | 65.1 | 69.0 | 70.4 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 9000 | 23.6 | 45.3 | 52.8 | 59.2 | 65.4 | 69.3 | 70.7 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 8000 | 24.6 | 46.6 | 54.5 | 61.1 | 67.7 | 71.6 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 7000 | 24.8 | 47.1 | 54.8 | 61.4 | 68.1 | 72.0 | 73.4 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 6000 | 24.8 | 47.1 | 55.0 | 61.5 | 68.2 | 72.1 | 73.5 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 5000 | 24.9 | 48.1 | 55.9 | 62.6 | 69.4 | 73.5 | 74.9 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 4000 | 24.9 | 48.2 | 56.1 | 62.8 | 69.6 | 73.7 | 75.1 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 3000 | 25.0 | 48.3 | 56.3 | 63.0 | 69.8 | 73.9 | 75.3 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 2500 | 25.3 | 49.1 | 57.1 | 63.9 | 70.6 | 75.0 | 76.4 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 2000 | 25.5 | 49.9 | 58.0 | 65.0 | 72.0 | 76.2 | 77.7 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 1800 | 26.2 | 51.6 | 59.8 | 66.9 | 74.1 | 78.3 | 80.0 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 1600 | 27.8 | 54.2 | 62.9 | 70.2 | 77.8 | 82.0 | 83.6 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1400 | 28.6 | 55.5 | 64.2 | 71.4 | 79.1 | 83.3 | 84.9 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 1200 | 29.7 | 58.4 | 67.9 | 75.6 | 83.8 | 88.1 | 89.8 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1000 | 30.2 | 59.4 | 69.2 | 77.3 | 85.7 | 90.2 | 91.9 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 900 | 30.8 | 60.7 | 71.2 | 80.0 | 88.8 | 93.6 | 95.4 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 800 | 30.8 | 60.8 | 71.3 | 80.2 | 89.0 | 94.0 | 95.7 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 700 | 30.8 | 61.1 | 72.0 | 80.8 | 89.8 | 94.7 | 96.4 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 600 | 30.8 | 61.2 | 72.2 | 81.6 | 90.9 | 96.0 | 97.7 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 500 | 30.8 | 61.2 | 72.5 | 81.9 | 91.3 | 96.3 | 98.3 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 30.8 | 61.2 | 72.6 | 82.0 | 91.5 | 96.6 | 98.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 30.8 | 61.2 | 72.6 | 82.0 | 91.5 | 96.6 | 98.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 30.8 | 61.2 | 72.6 | 82.0 | 91.5 | 96.6 | 98.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 30.8 | 61.2 | 72.6 | 82.0 | 91.5 | 96.6 | 98.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS (LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 20.2 | 33.2 | 40.3 | 45.6 | 49.2 | 50.4 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| GE 20000 | 24.8 | 40.9 | 49.7 | 55.7 | 59.9 | 61.2 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 18000 | 24.8 | 40.9 | 49.7 | 55.7 | 59.9 | 61.2 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 16000 | 24.8 | 40.9 | 49.7 | 55.7 | 59.9 | 61.2 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 14000 | 25.1 | 42.2 | 51.0 | 57.0 | 61.3 | 62.8 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 12000 | 26.3 | 44.0 | 52.7 | 58.9 | 63.3 | 64.8 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 10000 | 28.0 | 47.5 | 57.0 | 63.4 | 67.8 | 69.5 | 70.7 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| GE 9000 | 28.0 | 47.7 | 57.2 | 63.6 | 68.0 | 69.7 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 8000 | 28.6 | 48.6 | 58.1 | 64.4 | 69.1 | 70.8 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 7000 | 28.9 | 49.0 | 58.5 | 64.9 | 69.5 | 71.2 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 6000 | 29.2 | 49.6 | 59.1 | 65.4 | 70.0 | 71.8 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 5000 | 29.2 | 49.7 | 59.2 | 65.7 | 70.5 | 72.2 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 4500 | 29.2 | 49.8 | 59.5 | 66.2 | 71.2 | 73.0 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 4000 | 29.7 | 51.3 | 61.2 | 68.1 | 73.4 | 75.1 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 3500 | 30.6 | 52.8 | 62.8 | 69.9 | 75.4 | 77.2 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 3000 | 31.6 | 54.5 | 65.2 | 72.7 | 79.0 | 81.4 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 2500 | 33.0 | 58.2 | 69.2 | 77.4 | 83.8 | 86.2 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 2000 | 35.0 | 62.0 | 73.3 | 81.6 | 88.5 | 90.8 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 1800 | 35.1 | 62.3 | 73.8 | 82.2 | 89.2 | 91.8 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 1500 | 35.8 | 63.9 | 75.4 | 84.2 | 91.5 | 94.1 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1200 | 36.0 | 64.3 | 76.0 | 84.7 | 92.1 | 94.8 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1000 | 36.0 | 64.5 | 76.2 | 85.2 | 93.1 | 95.8 | 97.5 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 36.0 | 64.5 | 76.2 | 85.2 | 93.2 | 95.9 | 97.6 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 800 | 36.0 | 64.5 | 76.2 | 85.2 | 93.2 | 95.9 | 97.6 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 700 | 36.0 | 64.5 | 76.2 | 85.2 | 93.2 | 95.9 | 97.6 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 600 | 36.0 | 64.5 | 76.2 | 85.2 | 93.2 | 96.0 | 97.7 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 500 | 36.0 | 64.5 | 76.3 | 85.6 | 93.5 | 96.3 | 98.2 | 98.8 | 98.8 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 36.0 | 64.5 | 76.3 | 85.6 | 93.6 | 96.4 | 98.5 | 99.1 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | 36.0 | 64.5 | 76.3 | 85.6 | 93.6 | 96.4 | 98.5 | 99.1 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 36.0 | 64.5 | 76.3 | 85.6 | 93.6 | 96.4 | 98.5 | 99.1 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 36.0 | 64.5 | 76.3 | 85.6 | 93.6 | 96.4 | 98.5 | 99.1 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 0 | 36.0 | 64.5 | 76.3 | 85.6 | 93.6 | 96.4 | 98.5 | 99.1 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|----------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|--|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | | |
| NO CEIL | 21.4 | 37.3 | 42.1 | 48.9 | 53.3 | 54.6 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | | |
| GE 20000 | 25.2 | 45.0 | 51.8 | 59.5 | 64.3 | 66.1 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | | |
| GE 18000 | 25.2 | 45.0 | 51.8 | 59.5 | 64.3 | 66.1 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | | |
| GE 16000 | 25.2 | 45.0 | 51.8 | 59.5 | 64.3 | 66.1 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | | |
| GE 14000 | 25.5 | 45.9 | 53.0 | 60.9 | 65.7 | 67.6 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | | |
| GE 12000 | 26.0 | 46.6 | 53.8 | 62.1 | 66.9 | 68.8 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | | |
| GE 10000 | 29.7 | 51.9 | 59.9 | 69.3 | 74.3 | 76.2 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | | |
| GE 9000 | 29.7 | 51.9 | 59.9 | 69.3 | 74.3 | 76.2 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | | |
| GE 8000 | 30.2 | 53.3 | 61.3 | 70.8 | 76.7 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | | |
| GE 7000 | 30.2 | 53.5 | 61.7 | 71.3 | 77.1 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | | |
| GE 6000 | 30.5 | 54.4 | 62.7 | 72.2 | 78.1 | 80.0 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | | |
| GE 5000 | 30.9 | 54.8 | 63.2 | 72.8 | 79.0 | 80.9 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | | |
| GE 4500 | 30.9 | 54.9 | 63.5 | 73.2 | 79.6 | 81.5 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | | |
| GE 4000 | 31.2 | 55.9 | 64.4 | 74.1 | 80.8 | 82.7 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | | |
| GE 3500 | 31.7 | 56.9 | 65.7 | 75.5 | 82.6 | 84.7 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | | |
| GE 3000 | 32.4 | 59.1 | 68.1 | 78.5 | 86.8 | 89.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | | |
| GE 2500 | 33.4 | 61.2 | 70.6 | 82.3 | 91.0 | 93.6 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | | |
| GE 2000 | 33.5 | 62.3 | 71.7 | 83.4 | 92.4 | 95.0 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | | |
| GE 1800 | 33.5 | 62.4 | 71.8 | 83.5 | 92.5 | 95.1 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | | |
| GE 1500 | 34.1 | 63.8 | 73.6 | 85.6 | 94.6 | 97.1 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | | |
| GE 1200 | 34.1 | 63.9 | 73.7 | 85.8 | 94.8 | 97.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | | |
| GE 1000 | 34.2 | 64.2 | 74.0 | 86.1 | 95.1 | 97.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | | |
| GE 900 | 34.2 | 64.2 | 74.0 | 86.1 | 95.2 | 98.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | | |
| GE 800 | 34.2 | 64.2 | 74.0 | 86.1 | 95.4 | 98.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | | |
| GE 700 | 34.2 | 64.2 | 74.0 | 86.1 | 95.4 | 98.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | | |
| GE 600 | 34.2 | 64.2 | 74.0 | 86.1 | 95.4 | 98.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | | |
| GE 500 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 400 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 300 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 200 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 100 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |
| GE 0 | 34.2 | 64.2 | 74.0 | 86.1 | 95.5 | 98.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | | |

TOTAL NUMBER OF OBSERVATIONS: 734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: JUL HOURS (LST): 1800-2100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|-------|----------|----------|-------|--------|--------|--------|---------|--------|-------|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 20.5 | 34.2 | 41.6 | 46.0 | 51.3 | 52.9 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| GE 20000 | 23.6 | 42.2 | 50.9 | 55.9 | 63.3 | 65.0 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 18000 | 23.6 | 42.2 | 50.9 | 55.9 | 63.3 | 65.0 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 16000 | 23.6 | 42.2 | 50.9 | 55.9 | 63.3 | 65.0 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 14000 | 24.1 | 44.4 | 53.4 | 58.4 | 65.8 | 67.6 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 12000 | 24.1 | 44.9 | 54.5 | 60.0 | 67.4 | 69.1 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| GE 10000 | 27.2 | 50.2 | 60.0 | 67.6 | 75.0 | 77.5 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 9000 | 27.2 | 50.2 | 60.0 | 67.6 | 75.0 | 77.5 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 8000 | 27.7 | 51.7 | 61.4 | 69.4 | 77.3 | 80.2 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 7000 | 27.9 | 52.4 | 62.2 | 70.2 | 78.1 | 80.9 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 6000 | 28.0 | 52.8 | 63.0 | 71.2 | 79.1 | 81.9 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 5000 | 28.3 | 54.0 | 64.3 | 72.4 | 80.6 | 83.5 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 4500 | 28.3 | 54.5 | 64.9 | 73.2 | 81.4 | 84.3 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 4000 | 29.0 | 56.2 | 66.8 | 75.3 | 83.6 | 86.6 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 3500 | 29.0 | 56.4 | 67.1 | 76.2 | 84.7 | 88.0 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 3000 | 29.6 | 57.5 | 68.7 | 78.9 | 87.6 | 91.0 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 2500 | 30.1 | 58.4 | 69.6 | 80.0 | 88.7 | 92.1 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 2000 | 30.2 | 59.1 | 70.4 | 81.1 | 90.2 | 93.7 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 1800 | 30.4 | 59.2 | 70.9 | 81.6 | 90.7 | 94.2 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1500 | 30.7 | 60.2 | 71.8 | 82.8 | 92.0 | 95.4 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 30.7 | 60.2 | 71.8 | 82.8 | 92.0 | 95.4 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 30.7 | 60.3 | 72.0 | 83.0 | 92.3 | 95.7 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 30.7 | 60.3 | 72.0 | 83.0 | 92.3 | 95.7 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 30.7 | 60.3 | 72.0 | 83.0 | 92.4 | 95.9 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 635

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: JUL HOURS (LST): 2100-2300

| CEILING IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
|-----------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| NO CEIL | 20.6 | 41.7 | 47.2 | 50.9 | 56.4 | 57.8 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 20000 | 21.6 | 46.8 | 52.8 | 59.2 | 67.0 | 68.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 18000 | 21.6 | 46.8 | 52.8 | 59.2 | 67.0 | 68.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 16000 | 21.6 | 46.8 | 52.8 | 59.2 | 67.0 | 68.3 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 14000 | 22.0 | 47.7 | 53.7 | 60.1 | 68.3 | 69.7 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 12000 | 22.0 | 48.6 | 55.0 | 61.5 | 69.7 | 71.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 10000 | 24.8 | 53.7 | 61.5 | 69.3 | 77.5 | 78.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 9000 | 24.8 | 54.1 | 61.9 | 69.7 | 78.0 | 79.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 8000 | 25.2 | 54.6 | 62.8 | 71.1 | 79.4 | 81.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 7000 | 25.2 | 55.0 | 63.3 | 71.6 | 79.8 | 81.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 6000 | 25.2 | 56.0 | 64.2 | 72.5 | 80.7 | 82.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 5000 | 25.7 | 57.8 | 66.1 | 74.3 | 82.6 | 84.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 4500 | 25.7 | 58.3 | 66.5 | 74.8 | 83.0 | 84.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 4000 | 26.1 | 60.1 | 69.3 | 78.0 | 86.7 | 88.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 3500 | 26.1 | 60.1 | 69.3 | 78.4 | 87.6 | 89.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 3000 | 26.1 | 61.0 | 70.2 | 79.8 | 89.4 | 91.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 2500 | 27.1 | 61.9 | 71.6 | 81.7 | 91.3 | 93.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 2000 | 27.1 | 62.4 | 72.0 | 82.1 | 91.7 | 93.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1800 | 27.1 | 62.4 | 72.5 | 82.6 | 92.2 | 94.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1600 | 27.5 | 63.6 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1400 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 450 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 350 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 250 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 150 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 27.5 | 63.8 | 74.3 | 84.4 | 94.0 | 95.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 218

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(1<T): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | 1 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 18.0 | 33.0 | 39.3 | 44.6 | 49.8 | 52.1 | 53.8 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 |
| GE 20000 | 21.2 | 39.5 | 47.3 | 53.6 | 59.9 | 62.6 | 64.6 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| GE 18000 | 21.2 | 39.5 | 47.3 | 53.6 | 59.9 | 62.6 | 64.6 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| GE 16000 | 21.2 | 39.5 | 47.3 | 53.6 | 59.9 | 62.6 | 64.6 | 65.1 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 |
| GE 14000 | 21.5 | 40.7 | 48.8 | 55.2 | 61.6 | 64.4 | 66.5 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 12000 | 21.9 | 41.6 | 50.0 | 56.6 | 63.1 | 66.0 | 68.1 | 68.6 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| GE 10000 | 24.1 | 45.4 | 54.3 | 61.7 | 68.3 | 71.4 | 73.8 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 |
| GE 9000 | 24.1 | 45.6 | 54.5 | 61.9 | 68.5 | 71.6 | 74.0 | 74.6 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 8000 | 24.6 | 46.9 | 56.0 | 63.5 | 70.6 | 73.8 | 76.2 | 76.8 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 7000 | 24.8 | 47.3 | 56.5 | 64.1 | 71.2 | 74.4 | 76.8 | 77.4 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 6000 | 24.9 | 47.8 | 57.2 | 64.7 | 71.9 | 75.2 | 77.6 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 5000 | 25.1 | 48.4 | 57.9 | 65.5 | 72.9 | 76.2 | 78.6 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 4500 | 25.2 | 48.6 | 58.2 | 65.9 | 73.4 | 76.7 | 79.2 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 4000 | 25.5 | 49.6 | 59.3 | 67.2 | 74.8 | 78.2 | 80.7 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 3500 | 25.9 | 50.3 | 60.1 | 68.2 | 76.0 | 79.6 | 82.1 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 3000 | 26.4 | 51.6 | 61.7 | 70.2 | 78.6 | 82.4 | 85.1 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 2500 | 27.1 | 53.5 | 63.8 | 72.8 | 81.4 | 85.3 | 88.0 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 2000 | 28.0 | 55.3 | 65.9 | 74.8 | 83.7 | 87.7 | 90.5 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1800 | 28.2 | 55.7 | 66.3 | 75.4 | 84.3 | 88.3 | 91.1 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 |
| GE 1500 | 28.9 | 57.3 | 68.3 | 77.6 | 86.8 | 90.8 | 93.6 | 94.4 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1200 | 29.1 | 57.8 | 68.9 | 78.4 | 87.6 | 91.7 | 94.5 | 95.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 29.4 | 58.4 | 69.7 | 79.4 | 88.9 | 93.1 | 96.0 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 900 | 29.4 | 58.4 | 69.7 | 79.5 | 89.0 | 93.2 | 96.1 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 800 | 29.4 | 58.5 | 69.9 | 79.7 | 89.4 | 93.6 | 96.6 | 97.5 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 700 | 29.4 | 58.6 | 70.0 | 80.0 | 89.7 | 94.0 | 97.0 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 600 | 29.4 | 58.6 | 70.1 | 80.0 | 89.8 | 94.2 | 97.3 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 500 | 29.4 | 58.7 | 70.3 | 80.3 | 90.3 | 94.7 | 97.8 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 29.4 | 58.7 | 70.3 | 80.4 | 90.3 | 94.8 | 98.1 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 |
| GE 300 | 29.4 | 58.7 | 70.3 | 80.4 | 90.3 | 94.8 | 98.1 | 99.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 200 | 29.4 | 58.7 | 70.3 | 80.4 | 90.3 | 94.8 | 98.1 | 99.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 100 | 29.4 | 58.7 | 70.3 | 80.4 | 90.3 | 94.8 | 98.1 | 99.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 0 | 29.4 | 58.7 | 70.3 | 80.4 | 90.3 | 94.8 | 98.1 | 99.1 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4275

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 0600-0800

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 9.2 | 21.7 | 25.7 | 32.1 | 40.1 | 46.5 | 51.8 | 56.3 | 56.4 | 58.4 | 58.7 | 58.7 | 59.0 | 59.1 | 59.2 | 59.4 |
| GE 20000 | 11.1 | 26.3 | 32.0 | 38.9 | 48.1 | 55.3 | 61.0 | 66.2 | 66.5 | 68.5 | 68.9 | 68.9 | 69.1 | 69.2 | 69.4 | 69.6 |
| GE 18000 | 11.1 | 26.3 | 32.0 | 38.9 | 48.1 | 55.3 | 61.0 | 66.2 | 66.5 | 68.5 | 68.9 | 68.9 | 69.1 | 69.2 | 69.4 | 69.6 |
| GE 16000 | 11.1 | 26.3 | 32.0 | 38.9 | 48.1 | 55.3 | 61.0 | 66.2 | 66.5 | 68.5 | 68.9 | 68.9 | 69.1 | 69.2 | 69.4 | 69.6 |
| GE 14000 | 11.6 | 27.8 | 33.5 | 40.6 | 49.9 | 57.3 | 63.0 | 68.2 | 68.4 | 70.5 | 70.8 | 70.8 | 71.1 | 71.2 | 71.3 | 71.5 |
| GE 12000 | 11.6 | 28.0 | 33.7 | 40.7 | 50.1 | 57.6 | 63.3 | 68.6 | 68.9 | 70.9 | 71.3 | 71.3 | 71.5 | 71.7 | 71.8 | 72.0 |
| GE 10000 | 12.5 | 30.3 | 36.6 | 43.8 | 53.9 | 62.0 | 67.9 | 73.5 | 73.8 | 76.2 | 76.5 | 76.5 | 76.8 | 76.9 | 77.0 | 77.2 |
| GE 9000 | 12.5 | 30.3 | 36.6 | 43.8 | 53.9 | 62.0 | 67.9 | 73.5 | 73.8 | 76.2 | 76.5 | 76.5 | 76.8 | 76.9 | 77.0 | 77.2 |
| GE 8000 | 13.3 | 32.0 | 38.5 | 46.5 | 56.9 | 65.4 | 71.5 | 77.2 | 77.6 | 79.9 | 80.3 | 80.3 | 80.5 | 80.6 | 80.8 | 81.0 |
| GE 7000 | 13.4 | 32.6 | 39.5 | 47.5 | 58.1 | 66.6 | 72.8 | 78.5 | 78.8 | 81.1 | 81.5 | 81.5 | 81.7 | 81.8 | 82.0 | 82.2 |
| GE 6000 | 14.0 | 33.3 | 40.2 | 48.2 | 59.3 | 67.8 | 74.1 | 79.8 | 80.1 | 82.4 | 82.8 | 82.8 | 83.1 | 83.2 | 83.3 | 83.5 |
| GE 5000 | 14.4 | 33.9 | 41.3 | 49.3 | 60.5 | 69.1 | 75.4 | 81.1 | 81.5 | 83.8 | 84.1 | 84.1 | 84.4 | 84.5 | 84.6 | 84.9 |
| GE 4500 | 14.4 | 33.9 | 41.3 | 49.3 | 60.5 | 69.1 | 75.4 | 81.1 | 81.5 | 83.8 | 84.1 | 84.1 | 84.4 | 84.5 | 84.6 | 84.9 |
| GE 4000 | 14.6 | 34.3 | 41.6 | 49.6 | 60.9 | 69.5 | 75.8 | 81.6 | 82.0 | 84.3 | 84.6 | 84.6 | 84.9 | 85.0 | 85.1 | 85.4 |
| GE 3500 | 14.8 | 34.9 | 42.4 | 50.4 | 61.6 | 70.2 | 76.5 | 82.3 | 82.7 | 85.0 | 85.4 | 85.4 | 85.6 | 85.7 | 85.8 | 86.1 |
| GE 3000 | 15.0 | 35.4 | 43.0 | 51.1 | 62.5 | 71.1 | 77.4 | 83.2 | 83.5 | 85.8 | 86.2 | 86.2 | 86.4 | 86.6 | 86.7 | 86.9 |
| GE 2500 | 15.1 | 35.6 | 43.2 | 51.3 | 62.7 | 71.3 | 77.7 | 83.7 | 84.0 | 86.3 | 86.7 | 86.7 | 86.9 | 87.0 | 87.2 | 87.4 |
| GE 2000 | 15.1 | 36.0 | 43.7 | 51.9 | 63.4 | 72.0 | 78.6 | 84.6 | 85.0 | 87.3 | 87.7 | 87.7 | 87.9 | 88.0 | 88.1 | 88.4 |
| GE 1800 | 15.1 | 36.0 | 43.8 | 52.2 | 63.7 | 72.3 | 78.9 | 85.0 | 85.4 | 87.7 | 88.0 | 88.0 | 88.3 | 88.4 | 88.5 | 88.7 |
| GE 1600 | 15.3 | 36.4 | 44.4 | 52.9 | 64.4 | 73.1 | 79.8 | 86.0 | 86.3 | 88.6 | 89.0 | 89.0 | 89.2 | 89.3 | 89.5 | 89.7 |
| GE 1200 | 15.3 | 36.9 | 44.9 | 53.4 | 65.0 | 73.8 | 80.8 | 87.0 | 87.4 | 89.7 | 90.1 | 90.1 | 90.3 | 90.4 | 90.6 | 90.8 |
| GE 1000 | 15.4 | 37.2 | 45.2 | 54.0 | 66.0 | 75.1 | 82.3 | 88.6 | 89.0 | 91.6 | 92.0 | 92.0 | 92.3 | 92.4 | 92.5 | 92.7 |
| GE 900 | 15.4 | 37.2 | 45.2 | 54.0 | 66.0 | 75.1 | 82.3 | 88.6 | 89.0 | 91.6 | 92.0 | 92.0 | 92.3 | 92.4 | 92.5 | 92.7 |
| GE 800 | 15.4 | 37.4 | 45.5 | 54.6 | 66.8 | 76.3 | 83.7 | 90.0 | 90.3 | 93.0 | 93.3 | 93.3 | 93.6 | 93.7 | 93.8 | 94.1 |
| GE 700 | 15.4 | 37.5 | 45.8 | 55.0 | 67.2 | 76.9 | 84.3 | 90.6 | 90.9 | 93.6 | 93.9 | 93.9 | 94.2 | 94.3 | 94.4 | 94.7 |
| GE 600 | 15.4 | 37.5 | 46.0 | 55.3 | 67.7 | 77.5 | 84.9 | 91.3 | 91.6 | 94.3 | 94.7 | 94.7 | 94.9 | 95.0 | 95.2 | 95.4 |
| GE 500 | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.2 | 86.8 | 93.8 | 94.2 | 96.9 | 97.2 | 97.2 | 97.5 | 97.6 | 97.7 | 97.9 |
| GE 400 | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.2 | 86.8 | 94.2 | 94.6 | 97.3 | 97.7 | 97.7 | 97.9 | 98.1 | 98.2 | 98.5 |
| GE 300 | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.3 | 86.9 | 94.4 | 94.8 | 97.7 | 98.2 | 98.2 | 98.4 | 98.5 | 98.8 | 99.2 |
| GE 200 | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.3 | 86.9 | 94.4 | 94.8 | 97.7 | 98.2 | 98.2 | 98.5 | 98.7 | 98.9 | 99.3 |
| GE 100 | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.3 | 87.0 | 94.6 | 94.9 | 97.9 | 98.4 | 98.4 | 98.8 | 98.9 | 99.2 | 99.6 |
| GE | 15.4 | 37.8 | 46.7 | 56.2 | 69.1 | 79.3 | 87.0 | 94.6 | 94.9 | 97.9 | 98.4 | 98.4 | 98.8 | 98.9 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 7/16 | GE 1/4 |
| NO CEIL | 16.9 | 30.5 | 35.9 | 40.4 | 46.9 | 51.3 | 53.1 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| GE 20000 | 20.8 | 36.8 | 42.8 | 48.7 | 56.4 | 60.9 | 62.8 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 18000 | 20.9 | 36.9 | 42.9 | 48.9 | 56.5 | 61.0 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 16000 | 20.9 | 36.9 | 42.9 | 48.9 | 56.5 | 61.0 | 62.9 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| GE 14000 | 21.9 | 38.3 | 44.5 | 50.8 | 58.4 | 63.1 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 12000 | 22.1 | 38.5 | 44.8 | 51.1 | 58.9 | 63.5 | 65.4 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 10000 | 23.0 | 41.3 | 49.1 | 55.9 | 64.4 | 69.4 | 71.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 9000 | 23.0 | 41.3 | 49.1 | 55.9 | 64.4 | 69.4 | 71.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 8000 | 23.8 | 43.0 | 51.0 | 58.0 | 67.1 | 72.1 | 74.0 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 7000 | 24.3 | 43.5 | 51.6 | 58.7 | 67.8 | 72.8 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 6000 | 24.3 | 43.6 | 51.8 | 59.0 | 68.3 | 73.3 | 75.2 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 5000 | 24.4 | 44.4 | 52.6 | 59.7 | 69.2 | 74.2 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 4500 | 24.4 | 44.4 | 52.6 | 59.7 | 69.2 | 74.2 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 4000 | 24.6 | 45.3 | 53.4 | 60.7 | 70.2 | 75.2 | 77.1 | 77.6 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 3500 | 24.8 | 45.5 | 53.6 | 60.9 | 70.4 | 75.4 | 77.4 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 3000 | 25.2 | 46.4 | 54.8 | 62.1 | 71.8 | 76.8 | 78.9 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 2500 | 27.2 | 48.6 | 57.3 | 64.6 | 74.4 | 79.7 | 81.7 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2000 | 29.2 | 51.5 | 60.5 | 68.2 | 78.5 | 83.7 | 85.9 | 86.5 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 1800 | 29.9 | 52.7 | 61.8 | 69.7 | 80.2 | 85.4 | 87.6 | 88.2 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 1500 | 31.0 | 54.5 | 64.1 | 72.3 | 82.9 | 88.1 | 90.4 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 1200 | 31.3 | 55.4 | 65.0 | 73.3 | 84.3 | 89.6 | 91.9 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 1000 | 31.7 | 56.3 | 66.2 | 74.9 | 85.9 | 91.7 | 94.3 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 900 | 31.7 | 56.3 | 66.2 | 75.1 | 86.2 | 92.1 | 94.7 | 95.3 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 800 | 31.8 | 56.5 | 66.5 | 75.4 | 86.7 | 93.0 | 96.0 | 96.6 | 96.8 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 700 | 31.8 | 56.7 | 66.7 | 75.7 | 87.2 | 93.5 | 96.5 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 600 | 31.8 | 56.7 | 66.8 | 75.8 | 87.4 | 93.7 | 97.0 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 500 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 31.8 | 56.7 | 66.9 | 76.1 | 88.2 | 94.7 | 98.2 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 1200-1400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|-------|------|------|------|------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | | 19.3 | 30.7 | 36.2 | 41.2 | 47.5 | 49.6 | 49.7 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 20000 | 24.8 | 38.5 | 45.1 | 50.7 | 57.6 | 60.4 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 18000 | 24.8 | 38.5 | 45.1 | 50.7 | 57.6 | 60.4 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 16000 | 24.8 | 38.5 | 45.1 | 50.7 | 57.6 | 60.4 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 14000 | 25.8 | 40.1 | 46.7 | 52.6 | 59.9 | 62.8 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 12000 | 26.0 | 40.5 | 47.1 | 53.0 | 60.3 | 63.2 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 10000 | 27.3 | 43.7 | 50.9 | 57.6 | 65.6 | 68.9 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 9000 | 27.3 | 43.7 | 50.9 | 57.6 | 65.6 | 68.9 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 8000 | 27.9 | 44.8 | 52.3 | 59.0 | 67.4 | 70.7 | 71.0 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 7000 | 28.0 | 45.2 | 53.0 | 59.8 | 68.1 | 71.5 | 71.8 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 6000 | 28.1 | 45.6 | 53.5 | 60.5 | 68.9 | 72.2 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 5000 | 28.6 | 46.3 | 54.3 | 61.5 | 69.8 | 73.2 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 4500 | 28.6 | 46.4 | 54.4 | 61.6 | 70.0 | 73.3 | 73.6 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 4000 | 29.4 | 47.2 | 55.2 | 62.6 | 71.0 | 74.4 | 74.7 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 3500 | 29.7 | 48.2 | 56.4 | 63.8 | 72.6 | 76.1 | 76.5 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 3000 | 31.6 | 51.1 | 59.9 | 67.7 | 77.0 | 81.3 | 81.9 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2500 | 32.9 | 53.7 | 63.4 | 72.1 | 81.9 | 86.6 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 2000 | 34.9 | 57.2 | 67.2 | 76.4 | 86.3 | 91.0 | 91.6 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 1800 | 35.2 | 57.8 | 68.0 | 77.1 | 87.2 | 91.9 | 92.5 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 1500 | 36.2 | 59.2 | 69.7 | 79.0 | 89.2 | 93.9 | 95.0 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 1200 | 36.3 | 59.4 | 70.0 | 79.2 | 89.5 | 94.3 | 95.3 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1000 | 36.7 | 60.1 | 70.6 | 79.8 | 90.6 | 95.6 | 96.6 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 900 | 36.7 | 60.1 | 70.6 | 79.9 | 90.7 | 95.7 | 96.7 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 800 | 36.7 | 60.3 | 70.8 | 80.2 | 90.9 | 96.1 | 97.2 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 700 | 36.7 | 60.3 | 70.8 | 80.2 | 90.9 | 96.1 | 97.2 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 600 | 36.7 | 60.3 | 70.8 | 80.2 | 90.9 | 96.1 | 97.2 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 500 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 400 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 36.8 | 60.5 | 71.0 | 80.4 | 91.4 | 97.3 | 98.7 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 1500-1700

| CEILING IN FEET | GE 1 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | GE 17 | GE 18 | GE 19 | GE 20 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NO CEIL | 19.5 | 30.1 | 34.9 | 39.5 | 45.5 | 47.5 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| GE 20000 | 26.0 | 39.6 | 45.9 | 51.7 | 59.4 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 18000 | 26.0 | 39.6 | 45.9 | 51.7 | 59.4 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 16000 | 26.0 | 39.6 | 45.9 | 51.7 | 59.4 | 61.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| GE 14000 | 26.8 | 41.3 | 47.9 | 53.6 | 61.8 | 63.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 12000 | 27.2 | 42.2 | 48.8 | 54.6 | 62.7 | 64.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 10000 | 29.8 | 48.8 | 56.1 | 62.6 | 71.5 | 73.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 9000 | 29.8 | 48.8 | 56.1 | 62.6 | 71.5 | 73.5 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| GE 8000 | 30.4 | 50.2 | 58.2 | 65.5 | 75.0 | 76.9 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 7000 | 30.4 | 50.2 | 58.3 | 65.5 | 75.1 | 77.0 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 6000 | 30.4 | 50.5 | 58.6 | 66.2 | 75.9 | 78.0 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 5000 | 30.9 | 51.9 | 60.1 | 67.8 | 77.6 | 79.8 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 4500 | 30.9 | 51.9 | 60.1 | 67.8 | 77.6 | 79.8 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 4000 | 31.4 | 52.8 | 61.2 | 69.5 | 79.5 | 81.7 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 3500 | 31.5 | 53.6 | 62.3 | 70.8 | 81.0 | 83.4 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 3000 | 32.5 | 55.4 | 64.1 | 72.9 | 83.6 | 86.5 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 2500 | 33.3 | 57.5 | 66.9 | 75.9 | 86.8 | 89.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 2000 | 33.8 | 58.6 | 68.2 | 77.4 | 88.6 | 91.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 1800 | 33.8 | 59.0 | 68.6 | 77.9 | 89.1 | 92.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 1500 | 34.3 | 59.8 | 69.7 | 79.0 | 90.4 | 93.7 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 1200 | 34.3 | 59.8 | 69.7 | 79.1 | 90.5 | 93.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1000 | 34.3 | 59.8 | 70.0 | 79.4 | 90.9 | 94.2 | 96.4 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 900 | 34.3 | 59.8 | 70.0 | 79.4 | 90.9 | 94.2 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 800 | 34.3 | 59.8 | 70.0 | 79.4 | 90.9 | 94.5 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 700 | 34.3 | 59.8 | 70.0 | 79.4 | 90.9 | 94.5 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 600 | 34.3 | 59.8 | 70.0 | 79.4 | 90.9 | 94.5 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 500 | 34.3 | 59.8 | 70.2 | 79.5 | 91.3 | 95.0 | 97.8 | 98.2 | 98.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 400 | 34.3 | 60.0 | 70.3 | 79.6 | 91.5 | 95.2 | 98.3 | 98.8 | 98.8 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 300 | 34.3 | 60.0 | 70.4 | 79.8 | 91.6 | 95.3 | 98.5 | 98.9 | 98.9 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200 | 34.3 | 60.0 | 70.4 | 79.8 | 91.6 | 95.3 | 98.5 | 98.9 | 98.9 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 34.3 | 60.0 | 70.4 | 79.8 | 91.6 | 95.3 | 98.5 | 98.9 | 98.9 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 34.3 | 60.0 | 70.4 | 79.8 | 91.6 | 95.3 | 98.5 | 98.9 | 98.9 | 99.4 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 727

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: AUG HOURS(LST): 1900-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 17.7 | 31.8 | 38.1 | 42.5 | 48.6 | 50.8 | 53.3 | 53.9 | 53.9 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| GE 20000 | 21.9 | 39.8 | 48.0 | 51.4 | 61.9 | 65.0 | 68.8 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 18000 | 21.9 | 39.8 | 48.0 | 51.4 | 61.9 | 65.0 | 68.8 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 16000 | 21.9 | 39.8 | 48.0 | 51.4 | 61.9 | 65.0 | 68.8 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 14000 | 23.7 | 41.7 | 50.0 | 55.8 | 64.3 | 67.4 | 71.2 | 72.1 | 72.1 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 12000 | 23.8 | 42.2 | 50.6 | 56.7 | 65.2 | 68.3 | 72.3 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 10000 | 26.0 | 47.3 | 56.1 | 62.2 | 71.0 | 74.6 | 78.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 9000 | 26.0 | 47.3 | 56.1 | 62.2 | 71.0 | 74.6 | 78.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 8000 | 26.3 | 48.9 | 57.7 | 63.9 | 73.0 | 77.1 | 81.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 7000 | 26.3 | 48.9 | 57.7 | 63.9 | 73.0 | 77.1 | 81.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 6000 | 27.0 | 50.0 | 58.8 | 65.0 | 74.3 | 78.5 | 82.8 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 5000 | 27.1 | 50.5 | 59.6 | 66.0 | 75.5 | 79.8 | 84.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 4500 | 27.3 | 50.8 | 59.9 | 66.3 | 75.9 | 80.1 | 84.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 4000 | 27.3 | 52.0 | 61.1 | 67.9 | 77.4 | 81.7 | 85.9 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 3500 | 28.2 | 53.0 | 62.1 | 69.0 | 78.5 | 82.8 | 87.0 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 3000 | 28.2 | 54.4 | 63.8 | 71.2 | 80.9 | 85.7 | 90.1 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 2500 | 28.4 | 54.9 | 64.4 | 71.8 | 81.7 | 86.5 | 90.9 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 2000 | 29.0 | 56.0 | 65.7 | 73.0 | 82.9 | 87.8 | 92.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 1800 | 29.0 | 56.0 | 65.7 | 73.0 | 83.1 | 87.9 | 92.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 1500 | 29.2 | 56.4 | 66.3 | 73.7 | 83.9 | 88.9 | 93.7 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 1200 | 29.3 | 56.6 | 66.5 | 74.0 | 84.2 | 89.3 | 94.2 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 29.5 | 57.2 | 67.1 | 74.6 | 84.8 | 90.0 | 95.1 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 900 | 29.5 | 57.2 | 67.1 | 74.6 | 84.8 | 90.0 | 95.1 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 800 | 29.5 | 57.4 | 67.2 | 74.8 | 85.1 | 90.4 | 95.9 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 700 | 29.5 | 57.4 | 67.2 | 74.8 | 85.1 | 90.6 | 96.2 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 600 | 29.5 | 57.4 | 67.2 | 74.8 | 85.1 | 90.8 | 96.4 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 500 | 29.5 | 57.5 | 67.4 | 75.1 | 85.7 | 91.4 | 97.2 | 98.7 | 98.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 29.5 | 57.5 | 67.4 | 75.1 | 85.7 | 91.4 | 97.2 | 98.7 | 98.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 29.5 | 57.5 | 67.4 | 75.1 | 85.7 | 91.4 | 97.2 | 98.9 | 98.9 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| GE 200 | 29.5 | 57.5 | 67.4 | 75.1 | 85.9 | 91.5 | 97.3 | 99.1 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 100 | 29.5 | 57.5 | 67.4 | 75.1 | 85.9 | 91.5 | 97.3 | 99.1 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0 | 29.5 | 57.5 | 67.4 | 75.1 | 85.9 | 91.5 | 97.3 | 99.1 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: AUG HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 18.9 | 38.7 | 43.8 | 48.8 | 53.9 | 57.1 | 62.2 | 62.7 | 62.7 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| GE 20000 | 22.6 | 43.8 | 50.2 | 55.8 | 62.7 | 65.9 | 71.9 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 18000 | 22.6 | 43.8 | 50.2 | 55.8 | 62.7 | 65.9 | 71.9 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 16000 | 22.6 | 43.8 | 50.2 | 55.8 | 62.7 | 65.9 | 71.9 | 72.4 | 72.4 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 14000 | 23.5 | 44.7 | 51.2 | 57.1 | 64.1 | 67.3 | 73.3 | 73.7 | 73.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 12000 | 23.5 | 45.2 | 51.6 | 57.6 | 64.5 | 67.7 | 73.7 | 74.2 | 74.2 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 10000 | 24.9 | 49.3 | 56.2 | 63.1 | 70.0 | 74.7 | 80.6 | 81.1 | 81.1 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 9000 | 24.9 | 49.3 | 56.2 | 63.1 | 70.0 | 74.7 | 80.6 | 81.1 | 81.1 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 8000 | 24.9 | 50.2 | 57.6 | 65.0 | 71.9 | 76.5 | 82.9 | 83.4 | 83.4 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 7000 | 25.3 | 50.7 | 58.1 | 65.4 | 72.4 | 77.0 | 83.4 | 83.9 | 83.9 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 6000 | 26.3 | 51.6 | 59.4 | 66.8 | 73.7 | 78.3 | 84.8 | 85.3 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 5000 | 26.7 | 52.1 | 59.9 | 67.7 | 75.6 | 80.2 | 86.6 | 87.1 | 87.1 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 4500 | 26.7 | 52.1 | 59.9 | 67.7 | 75.6 | 80.2 | 86.6 | 87.1 | 87.1 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 4000 | 26.7 | 53.9 | 62.2 | 70.5 | 78.3 | 83.4 | 90.3 | 90.8 | 90.8 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 3500 | 26.7 | 54.8 | 63.1 | 71.4 | 79.3 | 84.3 | 91.2 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 3000 | 26.7 | 56.2 | 64.5 | 72.8 | 80.6 | 85.7 | 92.6 | 93.1 | 93.1 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 2500 | 26.7 | 56.2 | 65.0 | 73.3 | 81.1 | 86.2 | 93.1 | 93.5 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 2000 | 26.7 | 56.7 | 65.9 | 74.7 | 82.5 | 88.0 | 94.9 | 95.4 | 95.4 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1800 | 26.7 | 56.7 | 65.9 | 74.7 | 82.9 | 88.5 | 95.4 | 95.9 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1500 | 26.7 | 57.1 | 66.4 | 75.1 | 83.4 | 89.4 | 96.3 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1200 | 26.7 | 57.1 | 66.4 | 75.1 | 83.4 | 89.4 | 96.3 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 1000 | 26.7 | 57.1 | 66.4 | 75.1 | 83.9 | 90.3 | 97.2 | 97.7 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 900 | 26.7 | 57.1 | 66.4 | 75.1 | 83.9 | 90.3 | 97.2 | 97.7 | 97.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800 | 26.7 | 57.1 | 66.8 | 75.6 | 84.3 | 90.8 | 97.7 | 98.2 | 98.2 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 26.7 | 57.1 | 66.8 | 75.6 | 84.3 | 90.8 | 97.7 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 26.7 | 57.1 | 66.8 | 75.6 | 84.3 | 90.8 | 97.7 | 98.6 | 98.6 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE | 27.2 | 57.6 | 67.3 | 76.0 | 84.8 | 91.2 | 98.2 | 99.1 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 | GE 7 1/2 | GE 8 | GE 8 1/2 |
| NO CEIL | 16.6 | 29.4 | 34.5 | 39.5 | 46.1 | 49.5 | 51.7 | 52.9 | 52.9 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 |
| GE 20000 | 20.9 | 36.4 | 42.9 | 48.8 | 56.7 | 60.7 | 63.3 | 64.6 | 64.7 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 |
| GE 18000 | 21.0 | 36.4 | 42.9 | 48.8 | 56.7 | 60.7 | 63.3 | 64.6 | 64.7 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 |
| GE 16000 | 21.0 | 36.4 | 42.9 | 48.8 | 56.7 | 60.7 | 63.3 | 64.6 | 64.7 | 65.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.3 | 65.3 |
| GE 14000 | 21.9 | 38.0 | 44.6 | 50.8 | 58.8 | 62.9 | 65.5 | 66.8 | 66.8 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 |
| GE 12000 | 22.1 | 38.4 | 45.0 | 51.3 | 59.4 | 63.5 | 66.1 | 67.4 | 67.5 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.1 | 68.1 |
| GE 10000 | 23.6 | 42.3 | 49.7 | 56.4 | 65.1 | 69.6 | 72.3 | 73.8 | 73.8 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 |
| GE 9000 | 23.6 | 42.3 | 49.7 | 56.4 | 65.1 | 69.6 | 72.3 | 73.8 | 73.8 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 |
| GE 8000 | 24.2 | 43.7 | 51.4 | 58.5 | 67.7 | 72.3 | 75.2 | 76.6 | 76.7 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 |
| GE 7000 | 24.4 | 44.1 | 51.9 | 59.0 | 68.3 | 72.9 | 75.8 | 77.2 | 77.3 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 |
| GE 6000 | 24.7 | 44.6 | 52.5 | 59.8 | 69.2 | 73.9 | 76.8 | 78.2 | 78.3 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 79.0 |
| GE 5000 | 25.0 | 45.4 | 53.5 | 60.8 | 70.4 | 75.1 | 78.0 | 79.5 | 79.5 | 80.0 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.3 |
| GE 4500 | 25.0 | 45.4 | 53.5 | 60.9 | 70.4 | 75.2 | 78.1 | 79.5 | 79.6 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 |
| GE 4000 | 25.4 | 46.3 | 54.5 | 62.0 | 71.7 | 76.4 | 79.4 | 80.9 | 81.0 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 |
| GE 3500 | 25.7 | 47.0 | 55.3 | 62.9 | 72.7 | 77.5 | 80.5 | 81.9 | 82.0 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 |
| GE 3000 | 26.4 | 48.5 | 57.0 | 64.9 | 75.0 | 80.1 | 83.3 | 84.8 | 84.9 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 |
| GE 2500 | 27.3 | 50.0 | 59.0 | 67.1 | 77.3 | 82.6 | 85.8 | 87.4 | 87.5 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 |
| GE 2000 | 28.3 | 51.8 | 61.1 | 69.5 | 79.9 | 85.2 | 88.5 | 90.1 | 90.2 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 |
| GE 1800 | 28.6 | 52.3 | 61.6 | 70.1 | 80.6 | 86.0 | 89.3 | 90.9 | 91.0 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.8 |
| GE 1500 | 29.1 | 53.4 | 62.9 | 71.5 | 82.1 | 87.6 | 91.1 | 92.8 | 92.9 | 93.4 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1200 | 29.3 | 53.7 | 63.3 | 71.9 | 82.7 | 88.2 | 91.8 | 93.5 | 93.6 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 |
| GE 1000 | 29.4 | 54.2 | 63.9 | 72.6 | 83.6 | 89.4 | 93.1 | 94.9 | 95.0 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 |
| GE 900 | 29.4 | 54.2 | 63.9 | 72.7 | 83.7 | 89.5 | 93.2 | 95.0 | 95.1 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 |
| GE 800 | 29.5 | 54.3 | 64.1 | 73.0 | 84.1 | 90.2 | 94.1 | 95.8 | 95.9 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 |
| GE 700 | 29.5 | 54.4 | 64.2 | 73.1 | 84.3 | 90.4 | 94.4 | 96.2 | 96.3 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 |
| GE 600 | 29.5 | 54.4 | 64.3 | 73.2 | 84.4 | 90.6 | 94.6 | 96.4 | 96.6 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 |
| GE 500 | 29.5 | 54.6 | 64.5 | 73.6 | 85.2 | 91.6 | 95.9 | 98.0 | 98.2 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 29.5 | 54.6 | 64.6 | 73.6 | 85.2 | 91.6 | 96.0 | 98.2 | 98.4 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 300 | 29.5 | 54.6 | 64.6 | 73.6 | 85.2 | 91.7 | 96.0 | 98.3 | 98.5 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 200 | 29.5 | 54.6 | 64.6 | 73.6 | 85.3 | 91.7 | 96.0 | 98.3 | 98.5 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 |
| GE 100 | 29.5 | 54.6 | 64.6 | 73.6 | 85.3 | 91.7 | 96.0 | 98.4 | 98.5 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 |
| GE 0 | 29.5 | 54.6 | 64.6 | 73.6 | 85.3 | 91.7 | 96.0 | 98.4 | 98.5 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4249

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(1ST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 8.4 | 23.7 | 28.6 | 34.2 | 42.7 | 47.5 | 50.7 | 52.9 | 52.9 | 54.7 | 56.0 | 56.0 | 56.5 | 56.6 | 57.4 | 57.8 |
| GE 2000 | 9.6 | 27.7 | 33.9 | 40.4 | 49.9 | 55.3 | 58.9 | 61.1 | 61.1 | 63.1 | 64.5 | 64.5 | 65.1 | 65.2 | 66.1 | 66.5 |
| GE 1800 | 9.6 | 27.7 | 33.9 | 40.4 | 49.9 | 55.3 | 58.9 | 61.1 | 61.1 | 63.1 | 64.5 | 64.5 | 65.1 | 65.2 | 66.1 | 66.5 |
| GE 1600 | 9.6 | 27.7 | 33.9 | 40.4 | 49.9 | 55.3 | 59.0 | 61.2 | 61.2 | 63.2 | 64.6 | 64.6 | 65.2 | 65.3 | 66.2 | 66.6 |
| GE 1400 | 9.8 | 28.8 | 35.4 | 42.1 | 51.8 | 57.3 | 61.0 | 63.2 | 63.2 | 65.2 | 66.6 | 66.6 | 67.2 | 67.3 | 68.2 | 68.6 |
| GE 1200 | 9.9 | 29.4 | 36.3 | 43.2 | 52.9 | 58.5 | 62.2 | 64.6 | 64.6 | 66.6 | 68.0 | 68.0 | 68.6 | 68.7 | 69.6 | 69.9 |
| GE 1000 | 10.8 | 32.2 | 39.3 | 46.7 | 56.8 | 62.9 | 66.7 | 69.2 | 69.2 | 71.2 | 72.5 | 72.5 | 73.2 | 73.3 | 74.2 | 74.5 |
| GE 900 | 10.8 | 32.2 | 39.3 | 46.7 | 56.8 | 62.9 | 66.7 | 69.2 | 69.2 | 71.2 | 72.5 | 72.5 | 73.2 | 73.3 | 74.2 | 74.5 |
| GE 800 | 11.7 | 33.7 | 41.1 | 48.6 | 58.6 | 64.8 | 68.8 | 71.3 | 71.3 | 73.4 | 74.8 | 74.8 | 75.4 | 75.5 | 76.4 | 76.8 |
| GE 700 | 11.9 | 34.3 | 41.7 | 49.2 | 59.3 | 65.5 | 69.4 | 71.9 | 71.9 | 74.0 | 75.4 | 75.4 | 76.0 | 76.1 | 77.0 | 77.4 |
| GE 600 | 12.2 | 34.7 | 42.4 | 49.9 | 60.1 | 66.5 | 70.4 | 72.9 | 72.9 | 75.0 | 76.4 | 76.4 | 77.0 | 77.1 | 78.0 | 78.4 |
| GE 500 | 12.4 | 35.4 | 43.5 | 51.1 | 62.0 | 68.4 | 72.4 | 74.9 | 74.9 | 77.0 | 78.4 | 78.4 | 79.0 | 79.1 | 80.0 | 80.4 |
| GE 450 | 12.5 | 35.5 | 43.6 | 51.2 | 62.1 | 68.6 | 72.5 | 75.0 | 75.0 | 77.1 | 78.5 | 78.5 | 79.1 | 79.3 | 80.1 | 80.5 |
| GE 400 | 12.8 | 36.8 | 44.8 | 52.4 | 63.6 | 70.3 | 74.3 | 76.8 | 76.8 | 78.9 | 80.2 | 80.2 | 80.9 | 81.0 | 81.9 | 82.2 |
| GE 350 | 12.8 | 36.9 | 45.0 | 52.5 | 63.7 | 70.4 | 74.4 | 76.9 | 76.9 | 79.0 | 80.4 | 80.4 | 81.0 | 81.1 | 82.0 | 82.4 |
| GE 300 | 12.9 | 37.9 | 46.3 | 53.9 | 65.3 | 72.4 | 76.6 | 79.3 | 79.3 | 81.4 | 82.7 | 82.7 | 83.5 | 83.6 | 84.5 | 84.8 |
| GE 250 | 13.0 | 38.3 | 46.7 | 54.4 | 66.0 | 73.2 | 77.8 | 80.5 | 80.5 | 82.6 | 84.0 | 84.0 | 84.7 | 84.8 | 85.8 | 86.2 |
| GE 200 | 13.2 | 39.0 | 47.5 | 55.2 | 66.8 | 74.2 | 79.0 | 81.7 | 81.7 | 84.0 | 85.3 | 85.3 | 86.1 | 86.2 | 87.2 | 87.6 |
| GE 180 | 13.2 | 39.0 | 47.7 | 55.4 | 67.1 | 74.4 | 79.3 | 82.0 | 82.0 | 84.2 | 85.6 | 85.6 | 86.3 | 86.5 | 87.5 | 87.8 |
| GE 150 | 13.2 | 39.4 | 48.3 | 56.1 | 68.3 | 75.9 | 80.9 | 83.6 | 83.7 | 86.1 | 87.5 | 87.5 | 88.2 | 88.3 | 89.3 | 89.7 |
| GE 120 | 13.2 | 39.4 | 48.3 | 56.4 | 68.8 | 76.5 | 81.5 | 84.2 | 84.3 | 86.7 | 88.1 | 88.1 | 88.8 | 88.9 | 89.9 | 90.3 |
| GE 100 | 13.2 | 39.5 | 48.7 | 57.0 | 69.7 | 77.5 | 82.5 | 85.2 | 85.3 | 87.7 | 89.1 | 89.1 | 89.8 | 89.9 | 90.9 | 91.3 |
| GE 90 | 13.2 | 39.6 | 48.8 | 57.1 | 69.9 | 77.8 | 82.7 | 85.5 | 85.6 | 88.0 | 89.3 | 89.3 | 90.1 | 90.2 | 91.2 | 91.6 |
| GE 80 | 13.2 | 40.0 | 49.2 | 57.8 | 70.6 | 78.5 | 83.6 | 86.3 | 86.5 | 88.8 | 90.3 | 90.3 | 91.1 | 91.3 | 92.3 | 92.7 |
| GE 70 | 13.2 | 40.0 | 49.3 | 57.9 | 70.8 | 78.9 | 84.1 | 87.0 | 87.1 | 89.4 | 90.9 | 90.9 | 91.7 | 91.9 | 92.9 | 93.3 |
| GE 60 | 13.2 | 40.0 | 49.4 | 58.0 | 71.1 | 79.5 | 84.7 | 87.6 | 87.7 | 90.1 | 91.6 | 91.6 | 92.3 | 92.5 | 93.5 | 93.9 |
| GE 50 | 13.3 | 40.1 | 49.7 | 58.4 | 71.8 | 80.6 | 86.2 | 89.2 | 89.3 | 91.7 | 93.2 | 93.2 | 93.9 | 94.2 | 95.2 | 95.5 |
| GE 40 | 13.3 | 40.1 | 49.7 | 58.4 | 71.8 | 81.0 | 86.8 | 90.1 | 90.2 | 92.5 | 94.0 | 94.0 | 94.8 | 95.0 | 96.0 | 96.5 |
| GE 30 | 13.3 | 40.1 | 49.9 | 58.6 | 72.0 | 81.5 | 87.7 | 91.2 | 91.3 | 93.9 | 95.4 | 95.4 | 96.3 | 96.5 | 97.9 | 98.4 |
| GE 20 | 13.3 | 40.1 | 49.9 | 58.6 | 72.0 | 81.5 | 87.7 | 91.2 | 91.3 | 94.2 | 95.7 | 95.7 | 96.5 | 96.8 | 98.1 | 98.6 |
| GE 10 | 13.3 | 40.1 | 49.9 | 58.6 | 72.0 | 81.5 | 87.7 | 91.2 | 91.3 | 94.2 | 95.7 | 95.7 | 96.5 | 96.8 | 98.1 | 99.0 |
| GE CL | 13.3 | 40.1 | 49.9 | 58.6 | 72.0 | 81.5 | 87.7 | 91.2 | 91.3 | 94.2 | 95.7 | 95.7 | 96.5 | 96.8 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: PLS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 |
| NO CEIL | 26.4 | 41.7 | 45.0 | 48.2 | 52.1 | 54.9 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| GE 2000 | 29.8 | 47.5 | 51.8 | 55.6 | 59.9 | 62.9 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 1800 | 29.8 | 47.5 | 51.8 | 55.6 | 59.9 | 62.9 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 1600 | 29.8 | 47.5 | 51.8 | 55.6 | 59.9 | 62.9 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 1400 | 30.6 | 48.7 | 53.4 | 57.4 | 61.8 | 64.9 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 1200 | 31.5 | 49.9 | 54.6 | 58.9 | 63.2 | 66.4 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 1000 | 33.9 | 54.2 | 60.1 | 64.6 | 69.4 | 72.5 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 900 | 33.9 | 54.2 | 60.1 | 64.6 | 69.4 | 72.5 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| GE 800 | 35.2 | 55.9 | 61.8 | 66.3 | 71.1 | 74.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 700 | 35.5 | 56.2 | 62.1 | 66.6 | 71.4 | 74.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 600 | 35.6 | 56.3 | 62.2 | 66.7 | 71.5 | 74.6 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 500 | 36.0 | 57.3 | 63.2 | 67.9 | 73.0 | 76.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 450 | 36.0 | 57.3 | 63.4 | 68.0 | 73.1 | 76.2 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 400 | 36.6 | 58.7 | 64.7 | 69.4 | 74.4 | 77.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 350 | 37.1 | 59.2 | 65.5 | 70.2 | 75.2 | 78.3 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 300 | 37.5 | 59.9 | 66.1 | 70.9 | 76.2 | 79.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 250 | 38.9 | 62.1 | 68.5 | 73.3 | 78.8 | 82.2 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 200 | 40.0 | 64.7 | 71.3 | 76.3 | 81.8 | 85.3 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 180 | 40.2 | 65.4 | 72.1 | 77.1 | 82.6 | 86.0 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 150 | 40.4 | 66.6 | 73.6 | 78.8 | 84.6 | 88.7 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 120 | 40.6 | 67.4 | 74.9 | 80.8 | 86.7 | 90.8 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 100 | 40.6 | 68.3 | 75.9 | 82.1 | 88.7 | 93.0 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 90 | 40.6 | 68.4 | 76.0 | 82.2 | 89.2 | 93.4 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 80 | 40.6 | 68.9 | 76.6 | 82.9 | 89.8 | 94.1 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 70 | 40.6 | 69.2 | 76.9 | 83.2 | 90.2 | 94.6 | 96.5 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 60 | 40.6 | 69.2 | 76.9 | 83.2 | 90.2 | 94.7 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 50 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 40 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 30 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 20 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 10 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 0 | 40.6 | 69.4 | 77.1 | 83.6 | 90.9 | 96.3 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 31.6 | 43.1 | 46.7 | 49.4 | 52.1 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| GE 20000 | 38.5 | 53.3 | 57.9 | 61.1 | 64.1 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 18000 | 38.5 | 53.3 | 57.9 | 61.1 | 64.1 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 16000 | 38.5 | 53.3 | 57.9 | 61.1 | 64.1 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 14000 | 38.9 | 54.0 | 58.6 | 61.8 | 64.8 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 12000 | 39.1 | 54.3 | 58.9 | 62.1 | 65.1 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 10000 | 42.2 | 58.1 | 63.5 | 67.1 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 9000 | 42.2 | 58.1 | 63.5 | 67.1 | 70.5 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 8000 | 43.3 | 60.5 | 65.9 | 69.6 | 72.9 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 7000 | 43.5 | 60.9 | 66.4 | 70.0 | 73.4 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| GE 6000 | 44.0 | 61.4 | 66.9 | 70.6 | 74.1 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 5000 | 44.8 | 62.6 | 68.4 | 72.2 | 75.6 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 4500 | 45.1 | 63.5 | 69.3 | 73.1 | 76.5 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| GE 4000 | 45.9 | 64.4 | 70.3 | 74.3 | 77.7 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 3500 | 46.5 | 65.6 | 71.8 | 75.8 | 79.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 3000 | 47.4 | 67.5 | 74.2 | 78.2 | 81.8 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 2500 | 49.2 | 70.6 | 78.0 | 82.3 | 86.3 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 2000 | 52.7 | 73.3 | 80.8 | 85.4 | 89.4 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 1800 | 50.8 | 73.4 | 81.0 | 85.5 | 89.5 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 1500 | 51.1 | 74.5 | 82.2 | 86.7 | 91.1 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| GE 1200 | 51.1 | 74.6 | 82.5 | 87.2 | 91.5 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 1000 | 51.2 | 74.9 | 82.9 | 87.8 | 92.1 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 900 | 51.2 | 75.1 | 83.1 | 88.2 | 92.5 | 94.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 800 | 51.3 | 75.3 | 83.3 | 88.6 | 93.1 | 95.4 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 700 | 51.4 | 75.5 | 83.6 | 89.0 | 93.4 | 95.9 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 600 | 51.6 | 75.6 | 83.7 | 89.3 | 94.0 | 96.7 | 97.1 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 500 | 51.6 | 75.7 | 83.9 | 89.9 | 94.8 | 97.9 | 98.4 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 400 | 51.6 | 75.7 | 83.9 | 90.0 | 95.0 | 98.1 | 98.8 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 300 | 51.6 | 75.7 | 83.9 | 90.0 | 95.1 | 98.2 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 51.6 | 75.7 | 83.9 | 90.0 | 95.1 | 98.2 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 51.6 | 75.7 | 83.9 | 90.0 | 95.1 | 98.2 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 248

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS: 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 31.3 | 43.0 | 47.7 | 50.6 | 52.6 | 53.5 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 20000 | 37.0 | 52.2 | 57.7 | 61.4 | 63.3 | 64.2 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 18000 | 37.0 | 52.2 | 57.7 | 61.4 | 63.3 | 64.2 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 16000 | 37.0 | 52.2 | 57.7 | 61.4 | 63.3 | 64.2 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 14000 | 37.5 | 53.2 | 59.0 | 62.8 | 64.7 | 65.6 | 66.7 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 12000 | 38.5 | 54.3 | 60.2 | 64.2 | 66.1 | 67.0 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| GE 10000 | 40.8 | 58.8 | 65.3 | 70.0 | 72.4 | 73.2 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 9000 | 40.8 | 58.8 | 65.3 | 70.0 | 72.4 | 73.2 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 8000 | 41.5 | 60.5 | 67.3 | 71.9 | 74.3 | 75.2 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 7000 | 41.7 | 60.8 | 67.6 | 72.2 | 74.6 | 75.5 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 6000 | 42.2 | 62.5 | 69.5 | 74.3 | 76.7 | 77.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 5000 | 42.5 | 63.6 | 70.9 | 75.9 | 78.3 | 79.1 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 4500 | 42.7 | 64.2 | 71.7 | 76.6 | 79.0 | 79.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 4000 | 43.2 | 65.0 | 72.5 | 77.6 | 80.0 | 80.8 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 3500 | 44.0 | 66.3 | 74.3 | 79.4 | 81.9 | 82.8 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 3000 | 44.4 | 67.6 | 76.0 | 81.4 | 84.1 | 85.0 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 2500 | 45.4 | 69.8 | 78.6 | 84.3 | 87.7 | 88.7 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 2000 | 45.7 | 70.9 | 80.0 | 86.0 | 89.4 | 90.4 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1800 | 45.7 | 70.9 | 80.0 | 86.0 | 89.4 | 90.4 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1500 | 46.1 | 71.8 | 81.0 | 87.4 | 90.8 | 91.8 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 1200 | 46.4 | 72.4 | 81.7 | 88.3 | 91.8 | 92.8 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 1000 | 46.4 | 72.9 | 82.2 | 89.0 | 92.7 | 93.9 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 900 | 46.4 | 72.9 | 82.2 | 89.0 | 92.7 | 94.1 | 95.6 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 800 | 46.4 | 73.2 | 82.5 | 89.4 | 93.1 | 94.5 | 96.1 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 700 | 46.4 | 73.3 | 82.7 | 89.7 | 93.7 | 95.1 | 96.6 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 600 | 46.4 | 73.3 | 82.7 | 89.7 | 93.8 | 95.2 | 96.9 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 500 | 46.4 | 73.3 | 82.7 | 89.8 | 94.6 | 96.1 | 97.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 46.4 | 73.3 | 82.7 | 90.0 | 94.8 | 96.2 | 98.0 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 46.4 | 73.3 | 82.7 | 90.0 | 94.8 | 96.2 | 98.0 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 46.4 | 73.3 | 82.7 | 90.0 | 94.8 | 96.2 | 98.0 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 46.4 | 73.3 | 82.7 | 90.0 | 94.8 | 96.2 | 98.0 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 46.4 | 73.3 | 82.7 | 90.0 | 94.8 | 96.2 | 98.0 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 709

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: SEP HOURS/LS1: 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 27.5 | 46.4 | 50.7 | 53.6 | 56.4 | 57.3 | 59.8 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| GE 20000 | 29.5 | 50.2 | 55.4 | 58.5 | 61.4 | 62.4 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 18000 | 29.5 | 50.2 | 55.4 | 58.5 | 61.4 | 62.4 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 16000 | 29.5 | 50.2 | 55.4 | 58.5 | 61.4 | 62.4 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| GE 14000 | 30.0 | 52.0 | 57.2 | 60.3 | 63.2 | 64.3 | 66.8 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 12000 | 30.8 | 52.9 | 58.1 | 61.6 | 64.5 | 65.6 | 68.1 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| GE 10000 | 31.3 | 56.4 | 62.1 | 66.3 | 71.0 | 72.1 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 9000 | 31.3 | 56.4 | 62.1 | 66.3 | 71.0 | 72.1 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 8000 | 31.6 | 57.8 | 63.5 | 67.9 | 72.6 | 73.9 | 76.4 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 7000 | 31.8 | 58.1 | 63.8 | 68.4 | 73.1 | 74.4 | 76.9 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 6000 | 32.6 | 60.4 | 66.3 | 70.8 | 75.9 | 77.2 | 79.6 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 5000 | 33.2 | 62.1 | 68.4 | 73.0 | 78.5 | 79.8 | 82.2 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 4500 | 33.6 | 62.5 | 68.9 | 73.5 | 79.0 | 80.3 | 82.7 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 4000 | 33.9 | 63.5 | 70.0 | 74.6 | 80.1 | 81.4 | 84.0 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 3500 | 34.0 | 63.8 | 70.4 | 74.9 | 80.6 | 81.9 | 84.5 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 3000 | 34.9 | 67.1 | 74.1 | 78.7 | 85.2 | 86.5 | 89.1 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 2500 | 35.2 | 68.1 | 75.7 | 80.6 | 87.5 | 88.8 | 91.4 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 2000 | 35.5 | 68.7 | 76.4 | 81.8 | 88.8 | 90.1 | 92.7 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 1800 | 35.8 | 69.1 | 76.7 | 82.2 | 89.3 | 90.6 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 1500 | 36.0 | 69.5 | 77.4 | 83.2 | 90.7 | 92.0 | 94.6 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 1200 | 36.0 | 69.7 | 77.5 | 83.6 | 91.2 | 92.5 | 95.1 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1000 | 36.0 | 69.9 | 77.9 | 83.9 | 92.2 | 93.5 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 900 | 36.0 | 69.9 | 77.9 | 84.0 | 92.3 | 93.6 | 96.4 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 800 | 36.0 | 70.0 | 78.0 | 84.2 | 92.5 | 93.8 | 96.6 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 700 | 36.0 | 70.0 | 78.0 | 84.2 | 92.7 | 94.0 | 96.7 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 600 | 36.0 | 70.0 | 78.2 | 84.4 | 92.8 | 94.1 | 96.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 500 | 36.0 | 70.0 | 78.2 | 84.5 | 93.0 | 94.5 | 97.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 36.0 | 70.2 | 78.3 | 84.7 | 93.3 | 95.1 | 98.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 36.0 | 70.2 | 78.3 | 84.7 | 93.3 | 95.1 | 98.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 36.0 | 70.2 | 78.3 | 84.7 | 93.3 | 95.1 | 98.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 36.0 | 70.2 | 78.3 | 84.7 | 93.3 | 95.1 | 98.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 36.0 | 70.2 | 78.3 | 84.7 | 93.3 | 95.1 | 98.0 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 614

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-82,86-87
MONTH: SEP HOURS(IST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|-------------|-------------|-------------|-------------|-------------|-------------|---------|-------------|
| | GE 1 | GE 1 1/8 | GE 1 1/4 | GE 1 3/8 | GE 1 1/2 | GE 1 5/8 | GE 1 3/4 | GE 2 | GE 2 1/8 | GE 2 1/4 | GE 2 3/8 | GE 2 1/2 | GE 2 5/8 | GE 2 3/4 | GE 3 | GE 3 1/8 |
| NO CEIL | 25.2 | 49.0 | 51.9 | 54.4 | 57.8 | 59.2 | 61.7 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 2000 | 26.7 | 52.4 | 55.8 | 58.7 | 62.1 | 63.6 | 66.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 1800 | 26.7 | 52.4 | 55.8 | 58.7 | 62.1 | 63.6 | 66.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 1600 | 26.7 | 52.4 | 55.8 | 58.7 | 62.1 | 63.6 | 66.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| GE 1400 | 26.7 | 53.4 | 56.8 | 59.7 | 63.1 | 64.6 | 67.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| GE 1200 | 27.2 | 53.9 | 57.3 | 60.7 | 64.1 | 65.5 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 1000 | 27.2 | 55.8 | 59.7 | 64.6 | 68.4 | 69.9 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 900 | 27.2 | 55.8 | 59.7 | 64.6 | 68.4 | 69.9 | 72.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 800 | 27.7 | 57.8 | 62.6 | 67.5 | 71.8 | 73.3 | 75.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 700 | 27.7 | 57.8 | 62.6 | 67.5 | 71.8 | 73.3 | 75.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 600 | 27.7 | 59.2 | 64.1 | 69.4 | 73.8 | 75.2 | 77.7 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 500 | 28.6 | 62.1 | 68.0 | 73.3 | 77.7 | 79.1 | 81.6 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 450 | 29.1 | 62.6 | 68.4 | 73.8 | 78.2 | 79.6 | 82.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 400 | 29.1 | 63.6 | 69.9 | 75.2 | 79.6 | 81.1 | 83.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 350 | 29.1 | 63.6 | 69.9 | 75.2 | 80.6 | 82.0 | 84.5 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 300 | 29.6 | 66.5 | 72.8 | 78.2 | 83.5 | 85.0 | 87.9 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 250 | 30.1 | 68.0 | 76.2 | 81.6 | 86.9 | 88.3 | 91.3 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 200 | 30.1 | 68.0 | 76.2 | 82.0 | 87.4 | 88.8 | 91.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 180 | 30.6 | 68.4 | 77.2 | 82.5 | 87.9 | 89.3 | 92.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 150 | 30.6 | 68.9 | 78.2 | 84.0 | 90.3 | 91.7 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 120 | 30.6 | 68.9 | 78.2 | 84.0 | 90.3 | 91.7 | 94.7 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 100 | 30.6 | 68.9 | 79.2 | 84.0 | 90.3 | 91.7 | 94.7 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 90 | 30.6 | 68.9 | 78.6 | 84.5 | 90.6 | 92.2 | 95.1 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 80 | 30.6 | 68.9 | 78.6 | 84.5 | 90.6 | 92.2 | 95.1 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 70 | 30.6 | 69.9 | 79.6 | 85.9 | 92.2 | 93.7 | 96.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 60 | 30.6 | 69.9 | 79.6 | 85.9 | 92.2 | 93.7 | 96.6 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 50 | 30.6 | 69.9 | 79.6 | 86.4 | 92.7 | 94.2 | 97.6 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 40 | 30.6 | 69.9 | 79.6 | 86.4 | 92.7 | 94.2 | 97.6 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 30 | 30.6 | 69.9 | 79.6 | 86.4 | 92.7 | 94.2 | 97.6 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 20 | 30.6 | 69.9 | 79.6 | 86.4 | 92.7 | 94.2 | 97.6 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 10 | 30.6 | 69.9 | 79.6 | 86.4 | 92.7 | 94.2 | 97.6 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 236

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(1ST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|--|
| IN FEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | 25.0 | 39.8 | 43.8 | 47.2 | 51.3 | 53.3 | 54.8 | 55.4 | 55.4 | 55.7 | 56.0 | 56.0 | 56.1 | 56.1 | 56.2 | 56.3 | |
| GE 20000 | 28.8 | 46.4 | 51.4 | 55.4 | 59.8 | 62.0 | 63.6 | 64.1 | 64.1 | 64.5 | 64.8 | 64.8 | 64.9 | 64.9 | 65.1 | 65.2 | |
| GE 18000 | 28.8 | 46.4 | 51.4 | 55.4 | 59.8 | 62.0 | 63.6 | 64.1 | 64.1 | 64.5 | 64.8 | 64.8 | 64.9 | 64.9 | 65.1 | 65.2 | |
| GE 16000 | 28.8 | 46.4 | 51.4 | 55.4 | 59.8 | 62.0 | 63.6 | 64.2 | 64.2 | 64.6 | 64.8 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | |
| GE 14000 | 29.2 | 47.5 | 52.7 | 56.8 | 61.3 | 63.5 | 65.1 | 65.7 | 65.7 | 66.1 | 66.4 | 66.4 | 66.5 | 66.5 | 66.7 | 66.8 | |
| GE 12000 | 29.8 | 48.3 | 53.6 | 57.9 | 62.4 | 64.6 | 66.2 | 66.9 | 66.9 | 67.3 | 67.5 | 67.5 | 67.7 | 67.7 | 67.8 | 67.9 | |
| GE 10000 | 31.6 | 52.0 | 57.9 | 62.8 | 67.9 | 70.2 | 71.9 | 72.5 | 72.5 | 72.9 | 73.2 | 73.2 | 73.3 | 73.3 | 73.5 | 73.6 | |
| GE 9000 | 31.6 | 52.0 | 57.9 | 62.8 | 67.9 | 70.2 | 71.9 | 72.5 | 72.5 | 72.9 | 73.2 | 73.2 | 73.3 | 73.3 | 73.5 | 73.6 | |
| GE 8000 | 32.5 | 53.7 | 59.9 | 64.8 | 69.9 | 72.3 | 74.0 | 74.7 | 74.7 | 75.1 | 75.3 | 75.3 | 75.5 | 75.5 | 75.6 | 75.7 | |
| GE 7000 | 32.8 | 54.1 | 60.3 | 65.2 | 70.3 | 72.7 | 74.4 | 75.1 | 75.1 | 75.5 | 75.7 | 75.7 | 75.9 | 75.9 | 76.1 | 76.1 | |
| GE 6000 | 33.1 | 55.0 | 61.3 | 66.3 | 71.5 | 74.0 | 75.6 | 76.3 | 76.3 | 76.7 | 77.0 | 77.0 | 77.1 | 77.1 | 77.3 | 77.4 | |
| GE 5000 | 33.6 | 56.2 | 62.8 | 67.9 | 73.4 | 75.9 | 77.6 | 78.2 | 78.2 | 78.6 | 78.9 | 78.9 | 79.0 | 79.0 | 79.2 | 79.3 | |
| GE 4500 | 33.9 | 56.6 | 63.3 | 68.4 | 73.8 | 76.3 | 78.0 | 78.7 | 78.7 | 79.1 | 79.4 | 79.4 | 79.5 | 79.5 | 79.7 | 79.7 | |
| GE 4000 | 34.3 | 57.7 | 64.4 | 69.6 | 75.1 | 77.6 | 79.4 | 80.0 | 80.0 | 80.4 | 80.7 | 80.7 | 80.8 | 80.8 | 81.0 | 81.1 | |
| GE 3500 | 34.7 | 58.4 | 65.3 | 70.5 | 76.1 | 78.8 | 80.5 | 81.2 | 81.2 | 81.6 | 81.9 | 81.9 | 82.0 | 82.0 | 82.2 | 82.3 | |
| GE 3000 | 35.3 | 60.0 | 67.2 | 72.5 | 78.4 | 81.2 | 83.1 | 83.8 | 83.8 | 84.2 | 84.4 | 84.4 | 84.6 | 84.6 | 84.8 | 84.9 | |
| GE 2500 | 36.2 | 61.8 | 69.5 | 75.0 | 81.1 | 84.1 | 86.0 | 86.7 | 86.7 | 87.1 | 87.4 | 87.4 | 87.5 | 87.5 | 87.8 | 87.8 | |
| GE 2000 | 36.9 | 63.4 | 71.2 | 76.9 | 83.2 | 86.1 | 88.1 | 88.9 | 88.9 | 89.3 | 89.6 | 89.6 | 89.7 | 89.7 | 89.9 | 90.0 | |
| GE 1800 | 37.0 | 63.6 | 71.6 | 77.3 | 83.5 | 86.5 | 88.5 | 89.2 | 89.2 | 89.7 | 89.9 | 89.9 | 90.1 | 90.1 | 90.3 | 90.4 | |
| GE 1500 | 37.3 | 64.5 | 72.6 | 78.5 | 85.1 | 88.4 | 90.5 | 91.3 | 91.3 | 91.7 | 92.0 | 92.0 | 92.1 | 92.1 | 92.4 | 92.4 | |
| GE 1200 | 37.3 | 64.8 | 73.1 | 79.3 | 86.0 | 89.3 | 91.5 | 92.3 | 92.3 | 92.8 | 93.0 | 93.0 | 93.2 | 93.2 | 93.4 | 93.5 | |
| GE 1000 | 37.4 | 65.2 | 73.6 | 80.0 | 87.0 | 90.5 | 92.7 | 93.5 | 93.5 | 94.0 | 94.3 | 94.3 | 94.4 | 94.4 | 94.6 | 94.7 | |
| GE 900 | 37.4 | 65.3 | 73.7 | 80.2 | 87.3 | 90.8 | 93.0 | 93.8 | 93.8 | 94.4 | 94.6 | 94.6 | 94.8 | 94.8 | 95.0 | 95.1 | |
| GE 800 | 37.4 | 65.6 | 74.0 | 80.6 | 87.8 | 91.3 | 93.5 | 94.4 | 94.4 | 94.9 | 95.2 | 95.2 | 95.4 | 95.4 | 95.6 | 95.7 | |
| GE 700 | 37.4 | 65.7 | 74.3 | 80.9 | 88.2 | 91.6 | 94.1 | 94.9 | 95.0 | 95.5 | 95.8 | 95.8 | 95.9 | 96.0 | 96.2 | 96.2 | |
| GE 600 | 37.4 | 65.8 | 74.3 | 81.1 | 88.4 | 92.1 | 94.5 | 95.4 | 95.5 | 96.0 | 96.3 | 96.3 | 96.5 | 96.5 | 96.7 | 96.8 | |
| GE 500 | 37.5 | 65.9 | 74.5 | 81.4 | 89.1 | 93.0 | 95.6 | 96.9 | 96.9 | 97.6 | 97.9 | 97.9 | 98.1 | 98.1 | 98.3 | 98.4 | |
| GE 400 | 37.5 | 65.9 | 74.5 | 81.5 | 89.2 | 93.4 | 96.1 | 97.6 | 97.6 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | |
| GE 300 | 37.5 | 65.9 | 74.5 | 81.5 | 89.3 | 93.6 | 96.4 | 97.9 | 97.9 | 98.6 | 99.0 | 99.0 | 99.2 | 99.3 | 99.5 | 99.6 | |
| GE 200 | 37.5 | 65.9 | 74.5 | 81.5 | 89.3 | 93.6 | 96.4 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.6 | 99.7 | |
| GE 100 | 37.5 | 65.9 | 74.5 | 81.5 | 89.3 | 93.6 | 96.4 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | |
| GE 0 | 37.5 | 65.9 | 74.5 | 81.5 | 89.3 | 93.6 | 96.4 | 97.9 | 97.9 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 4127

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 1 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 13.0 | 27.7 | 32.2 | 36.3 | 42.9 | 45.4 | 47.7 | 48.9 | 49.1 | 51.1 | 51.1 | 51.1 | 51.1 | 52.3 | 54.5 | 55.5 | |
| GE 20000 | 14.3 | 30.3 | 35.5 | 39.8 | 46.6 | 49.2 | 51.5 | 52.7 | 52.8 | 54.9 | 54.9 | 54.9 | 54.9 | 55.6 | 56.1 | 58.7 | 59.8 |
| GE 18000 | 14.3 | 30.3 | 35.5 | 39.8 | 46.6 | 49.2 | 51.5 | 52.7 | 52.8 | 54.9 | 54.9 | 54.9 | 54.9 | 55.6 | 56.1 | 58.7 | 59.8 |
| GE 16000 | 14.3 | 30.3 | 35.5 | 39.8 | 46.6 | 49.2 | 51.5 | 52.7 | 52.8 | 54.9 | 54.9 | 54.9 | 54.9 | 55.6 | 56.1 | 58.7 | 59.8 |
| GE 14000 | 14.3 | 31.4 | 36.5 | 41.5 | 48.3 | 50.8 | 53.1 | 54.5 | 54.6 | 56.6 | 56.6 | 56.6 | 56.6 | 57.4 | 57.9 | 60.4 | 61.6 |
| GE 12000 | 14.4 | 31.5 | 36.8 | 41.7 | 48.5 | 51.1 | 53.4 | 54.7 | 54.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.6 | 58.2 | 60.7 | 61.9 |
| GE 10000 | 15.8 | 34.3 | 40.3 | 45.6 | 53.0 | 55.6 | 57.9 | 59.3 | 59.4 | 61.4 | 61.4 | 61.4 | 61.4 | 62.2 | 62.7 | 65.2 | 66.5 |
| GE 9000 | 15.8 | 34.5 | 40.6 | 45.9 | 53.2 | 55.9 | 58.2 | 59.5 | 59.7 | 61.7 | 61.7 | 61.7 | 61.7 | 62.5 | 63.0 | 65.5 | 66.8 |
| GE 8000 | 16.9 | 37.0 | 43.6 | 49.1 | 56.5 | 59.2 | 61.7 | 63.1 | 63.2 | 65.2 | 65.2 | 65.2 | 65.2 | 66.0 | 66.5 | 69.0 | 70.3 |
| GE 7000 | 17.7 | 38.2 | 44.9 | 50.3 | 57.8 | 60.4 | 63.0 | 64.5 | 64.6 | 66.6 | 66.6 | 66.6 | 66.6 | 67.4 | 67.9 | 70.4 | 71.7 |
| GE 6000 | 17.8 | 38.9 | 45.9 | 51.6 | 59.2 | 61.8 | 64.5 | 66.0 | 66.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.9 | 69.4 | 71.9 | 73.2 |
| GE 5000 | 17.8 | 39.3 | 46.6 | 52.7 | 60.6 | 63.6 | 66.4 | 67.9 | 68.0 | 70.2 | 70.2 | 70.2 | 70.2 | 71.0 | 71.6 | 74.1 | 75.3 |
| GE 4500 | 18.0 | 39.6 | 46.9 | 53.0 | 61.1 | 64.1 | 67.0 | 68.5 | 68.6 | 70.8 | 70.8 | 70.8 | 70.8 | 71.7 | 72.2 | 74.7 | 76.0 |
| GE 4000 | 18.6 | 41.0 | 48.4 | 54.5 | 62.8 | 65.9 | 69.0 | 70.7 | 70.8 | 72.9 | 72.9 | 72.9 | 72.9 | 73.8 | 74.3 | 76.9 | 78.1 |
| GE 3500 | 18.7 | 41.3 | 48.9 | 55.0 | 63.3 | 66.5 | 69.7 | 71.3 | 71.4 | 73.6 | 73.6 | 73.6 | 73.6 | 74.5 | 75.0 | 77.5 | 78.8 |
| GE 3000 | 19.0 | 42.9 | 50.6 | 56.8 | 65.1 | 68.5 | 71.7 | 73.3 | 73.5 | 75.7 | 75.7 | 75.7 | 75.7 | 76.6 | 77.1 | 79.6 | 80.9 |
| GE 2500 | 19.5 | 43.7 | 51.7 | 58.2 | 66.5 | 70.0 | 73.3 | 75.0 | 75.1 | 77.4 | 77.4 | 77.4 | 77.4 | 78.3 | 78.8 | 81.3 | 82.6 |
| GE 2000 | 19.5 | 43.9 | 52.2 | 58.9 | 67.5 | 71.2 | 74.5 | 76.1 | 76.2 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.9 | 82.4 | 83.7 |
| GE 1800 | 19.5 | 43.9 | 52.2 | 58.9 | 67.5 | 71.2 | 74.5 | 76.1 | 76.2 | 78.5 | 78.5 | 78.5 | 78.5 | 79.4 | 79.9 | 82.4 | 83.7 |
| GE 1500 | 19.5 | 44.4 | 53.0 | 59.9 | 68.6 | 72.3 | 75.6 | 77.2 | 77.4 | 79.6 | 79.6 | 79.6 | 79.6 | 80.5 | 81.0 | 83.6 | 84.8 |
| GE 1200 | 19.5 | 44.5 | 53.5 | 60.7 | 69.5 | 73.3 | 76.6 | 78.3 | 78.4 | 80.7 | 80.7 | 80.7 | 80.7 | 81.5 | 82.0 | 84.6 | 85.8 |
| GE 1000 | 19.5 | 44.8 | 53.9 | 61.2 | 70.0 | 74.1 | 77.4 | 79.1 | 79.3 | 81.5 | 81.5 | 81.5 | 81.5 | 82.4 | 82.9 | 85.5 | 86.7 |
| GE 900 | 19.5 | 44.9 | 54.2 | 61.6 | 70.4 | 74.5 | 77.7 | 79.5 | 79.6 | 81.9 | 81.9 | 81.9 | 81.9 | 82.8 | 83.3 | 85.8 | 87.1 |
| GE 800 | 19.5 | 45.6 | 55.2 | 62.7 | 72.1 | 76.4 | 79.6 | 81.5 | 81.7 | 83.9 | 83.9 | 83.9 | 83.9 | 84.8 | 85.3 | 87.9 | 89.1 |
| GE 700 | 19.5 | 45.8 | 55.6 | 63.5 | 72.8 | 77.2 | 80.5 | 82.6 | 82.7 | 85.0 | 85.0 | 85.0 | 85.0 | 85.8 | 86.3 | 88.9 | 90.1 |
| GE 600 | 19.5 | 45.8 | 55.6 | 63.6 | 72.9 | 77.7 | 81.3 | 83.4 | 83.6 | 85.8 | 85.8 | 85.8 | 85.8 | 86.7 | 87.2 | 89.8 | 91.0 |
| GE 500 | 19.5 | 46.1 | 56.0 | 64.1 | 73.7 | 78.6 | 82.9 | 85.6 | 85.7 | 88.1 | 88.1 | 88.1 | 88.1 | 89.0 | 89.6 | 92.2 | 93.6 |
| GE 400 | 19.5 | 46.1 | 56.1 | 64.2 | 73.8 | 78.9 | 83.2 | 86.6 | 86.7 | 89.5 | 89.5 | 89.5 | 89.5 | 90.5 | 91.2 | 93.7 | 95.1 |
| GE 300 | 19.5 | 46.1 | 56.1 | 64.2 | 74.0 | 79.0 | 83.3 | 86.7 | 86.9 | 89.8 | 89.8 | 89.8 | 89.8 | 91.0 | 91.7 | 94.2 | 95.6 |
| GE 200 | 19.5 | 46.1 | 56.1 | 64.2 | 74.0 | 79.0 | 83.4 | 86.9 | 87.0 | 89.9 | 89.9 | 89.9 | 89.9 | 91.3 | 91.9 | 94.4 | 96.6 |
| GE 100 | 19.5 | 46.1 | 56.1 | 64.2 | 74.0 | 79.0 | 83.4 | 86.9 | 87.0 | 90.0 | 90.0 | 90.0 | 90.0 | 91.4 | 92.0 | 94.8 | 98.0 |
| GE 0 | 19.5 | 46.1 | 56.1 | 64.2 | 74.0 | 79.0 | 83.4 | 86.9 | 87.0 | 90.0 | 90.0 | 90.0 | 90.0 | 91.5 | 92.2 | 95.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 791

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 0900-1100

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN | FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 1 | 31.1 | 45.0 | 49.2 | 51.5 | 53.2 | 53.6 | 54.1 | 54.4 | 54.5 | 54.5 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 20000 | 34.7 | 50.7 | 56.0 | 58.3 | 60.8 | 61.4 | 62.0 | 62.2 | 62.3 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 18000 | 34.7 | 50.7 | 56.0 | 58.3 | 60.8 | 61.4 | 62.0 | 62.2 | 62.3 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 16000 | 34.7 | 50.7 | 56.0 | 58.3 | 60.8 | 61.4 | 62.0 | 62.2 | 62.3 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| GE 14000 | 34.8 | 51.3 | 56.7 | 59.4 | 61.9 | 62.4 | 63.1 | 63.3 | 63.4 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 12000 | 34.9 | 52.0 | 57.4 | 60.2 | 62.6 | 63.2 | 63.8 | 64.0 | 64.2 | 64.3 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| GE 10000 | 36.0 | 54.6 | 60.3 | 63.3 | 65.9 | 66.5 | 67.3 | 67.5 | 67.6 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 9000 | 36.0 | 54.6 | 60.3 | 63.3 | 65.9 | 66.5 | 67.3 | 67.5 | 67.6 | 67.7 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| GE 8000 | 36.9 | 56.3 | 62.1 | 65.2 | 68.1 | 68.8 | 69.6 | 69.9 | 70.0 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 7000 | 37.6 | 57.1 | 63.0 | 66.1 | 69.0 | 69.6 | 70.5 | 70.7 | 70.8 | 70.9 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 6000 | 37.8 | 57.7 | 63.7 | 66.8 | 69.8 | 70.4 | 71.3 | 71.5 | 71.6 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 5000 | 38.3 | 58.3 | 64.6 | 67.7 | 70.6 | 71.3 | 72.1 | 72.3 | 72.4 | 72.6 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 4500 | 38.5 | 58.7 | 64.9 | 68.0 | 70.9 | 71.6 | 72.6 | 72.8 | 72.9 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 4000 | 38.9 | 59.6 | 66.1 | 69.8 | 72.7 | 73.3 | 74.3 | 74.5 | 74.6 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 3500 | 39.4 | 60.9 | 67.5 | 71.3 | 74.2 | 74.9 | 75.9 | 76.1 | 76.2 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 3000 | 40.4 | 63.0 | 69.5 | 73.4 | 76.5 | 77.4 | 78.5 | 78.8 | 78.9 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 2500 | 41.8 | 64.8 | 71.5 | 75.3 | 78.6 | 79.4 | 80.5 | 80.8 | 80.9 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 2000 | 43.2 | 66.8 | 73.5 | 77.5 | 80.9 | 81.8 | 82.9 | 83.2 | 83.3 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 1800 | 43.3 | 67.3 | 74.0 | 78.0 | 81.5 | 82.3 | 83.4 | 83.7 | 83.9 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 1600 | 44.0 | 69.6 | 76.4 | 81.1 | 85.0 | 86.0 | 87.2 | 87.5 | 87.6 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 1200 | 44.3 | 70.9 | 77.8 | 82.6 | 86.5 | 87.7 | 88.9 | 89.2 | 89.3 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1000 | 44.3 | 71.2 | 78.7 | 83.6 | 87.9 | 89.1 | 90.3 | 90.6 | 90.7 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 900 | 44.3 | 71.2 | 78.7 | 83.7 | 88.2 | 89.3 | 90.5 | 90.9 | 91.0 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 800 | 44.3 | 71.4 | 78.9 | 84.1 | 88.8 | 90.3 | 91.6 | 92.0 | 92.1 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 700 | 44.3 | 71.6 | 79.2 | 84.5 | 89.3 | 91.1 | 92.4 | 92.8 | 92.9 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 600 | 44.3 | 72.0 | 79.8 | 85.0 | 90.1 | 91.9 | 93.3 | 93.9 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 500 | 44.3 | 72.3 | 80.3 | 85.9 | 91.1 | 93.4 | 95.5 | 96.3 | 96.4 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 400 | 44.3 | 72.4 | 80.4 | 86.1 | 91.4 | 93.9 | 96.0 | 97.4 | 97.7 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 300 | 44.3 | 72.4 | 80.4 | 86.1 | 91.4 | 93.9 | 96.1 | 97.6 | 98.0 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 200 | 44.3 | 72.4 | 80.4 | 86.1 | 91.4 | 93.9 | 96.1 | 97.6 | 98.0 | 98.7 | 99.1 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 |
| GE 100 | 44.3 | 72.4 | 80.4 | 86.1 | 91.4 | 93.9 | 96.1 | 97.6 | 98.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 |
| GE 0 | 44.3 | 72.4 | 80.4 | 86.1 | 91.4 | 93.9 | 96.1 | 97.6 | 98.0 | 98.8 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 33.4 | 46.2 | 48.1 | 49.5 | 49.7 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| GE 20000 | 41.7 | 56.0 | 58.7 | 60.1 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 18000 | 41.3 | 56.0 | 58.7 | 60.1 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 16000 | 41.3 | 56.0 | 58.7 | 60.1 | 60.5 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 14000 | 41.7 | 57.6 | 60.5 | 62.0 | 62.5 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| GE 12000 | 42.7 | 59.0 | 61.9 | 63.5 | 64.0 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| GE 10000 | 45.3 | 62.6 | 65.7 | 67.4 | 67.8 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 9000 | 45.3 | 62.6 | 65.7 | 67.4 | 67.8 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 8000 | 46.5 | 64.3 | 67.4 | 69.1 | 69.6 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 7000 | 46.8 | 65.1 | 68.2 | 69.9 | 70.3 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 6000 | 47.1 | 65.8 | 69.0 | 70.9 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 5000 | 48.4 | 67.5 | 70.8 | 72.6 | 73.0 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 4500 | 48.5 | 67.6 | 70.9 | 72.7 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 4000 | 49.9 | 69.5 | 72.8 | 74.7 | 75.2 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 3500 | 51.8 | 72.0 | 75.5 | 77.4 | 77.8 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 3000 | 53.5 | 74.7 | 78.4 | 80.4 | 81.1 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 2500 | 55.1 | 77.6 | 81.6 | 83.7 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 2000 | 56.3 | 79.8 | 84.2 | 86.2 | 87.1 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 1800 | 56.3 | 79.8 | 84.5 | 86.6 | 87.4 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 1500 | 56.6 | 81.5 | 86.7 | 89.9 | 90.9 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1200 | 56.9 | 82.0 | 87.4 | 91.1 | 92.3 | 92.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 1000 | 56.9 | 82.6 | 88.1 | 91.9 | 93.2 | 93.7 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 900 | 57.0 | 82.7 | 88.3 | 92.3 | 93.8 | 94.3 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 800 | 57.0 | 82.8 | 88.5 | 92.7 | 94.4 | 94.9 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 700 | 57.1 | 83.3 | 89.4 | 93.5 | 95.5 | 96.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 600 | 57.1 | 83.7 | 89.7 | 94.0 | 96.0 | 96.9 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 500 | 57.1 | 83.8 | 89.9 | 94.3 | 96.5 | 97.4 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | 57.1 | 83.8 | 89.9 | 94.3 | 96.7 | 97.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 57.1 | 83.8 | 89.9 | 94.3 | 96.7 | 97.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 200 | 57.1 | 83.8 | 89.9 | 94.3 | 96.7 | 97.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 57.1 | 83.8 | 89.9 | 94.3 | 96.7 | 97.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE | 57.1 | 83.8 | 89.9 | 94.3 | 96.7 | 97.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 39.0 | 51.3 | 54.5 | 55.9 | 56.3 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| GE 2000 | 43.6 | 58.8 | 62.9 | 64.3 | 64.7 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 1800 | 43.6 | 58.8 | 62.9 | 64.3 | 64.7 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 1600 | 43.6 | 58.8 | 62.9 | 64.3 | 64.7 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| GE 1400 | 44.0 | 59.9 | 64.1 | 65.7 | 66.1 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 1200 | 45.0 | 61.6 | 65.9 | 67.6 | 68.0 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| GE 1000 | 46.0 | 64.5 | 69.8 | 70.5 | 70.9 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 900 | 46.0 | 64.5 | 68.8 | 70.5 | 70.9 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 800 | 47.1 | 66.6 | 70.9 | 72.7 | 73.1 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 700 | 47.8 | 67.3 | 71.6 | 73.5 | 73.9 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 600 | 49.0 | 68.9 | 73.2 | 75.1 | 75.5 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 500 | 50.2 | 70.4 | 74.7 | 76.6 | 77.0 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 400 | 50.7 | 71.2 | 75.8 | 77.7 | 78.1 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 300 | 52.5 | 73.5 | 78.2 | 80.2 | 80.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 250 | 54.0 | 75.4 | 80.2 | 82.2 | 82.6 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 200 | 54.4 | 76.9 | 81.8 | 84.4 | 84.9 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 150 | 54.9 | 78.9 | 83.8 | 86.4 | 86.9 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 100 | 55.9 | 80.9 | 86.0 | 88.6 | 89.2 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 80 | 56.0 | 81.2 | 86.5 | 89.2 | 89.9 | 90.3 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 60 | 56.1 | 82.1 | 87.6 | 90.8 | 91.5 | 91.9 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 40 | 56.1 | 82.9 | 88.8 | 92.6 | 93.5 | 94.2 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 30 | 56.1 | 83.2 | 89.2 | 93.0 | 93.9 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 20 | 56.1 | 83.2 | 89.4 | 93.1 | 94.1 | 95.0 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 10 | 56.1 | 83.2 | 89.4 | 93.3 | 94.2 | 95.3 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 5 | 56.3 | 83.6 | 89.9 | 93.8 | 94.8 | 95.8 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 0 | 56.4 | 83.7 | 90.4 | 94.3 | 95.3 | 96.4 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 500 | 56.4 | 83.8 | 90.6 | 94.6 | 95.7 | 97.0 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 400 | 56.4 | 83.8 | 90.7 | 94.9 | 95.8 | 97.2 | 98.5 | 99.1 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 56.4 | 83.8 | 90.7 | 94.8 | 95.8 | 97.2 | 98.5 | 99.2 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 56.4 | 83.8 | 90.7 | 94.8 | 95.8 | 97.2 | 98.5 | 99.2 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 56.4 | 83.8 | 90.7 | 94.8 | 95.8 | 97.2 | 98.5 | 99.2 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 0 | 56.4 | 83.8 | 90.7 | 94.8 | 95.8 | 97.2 | 98.5 | 99.2 | 99.2 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS: 743

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82.86

MONTH: OCT

HOURS(LST): 1800-2400

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|--|
| IN FEET | GE | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 31.9 | 57.5 | 61.3 | 62.2 | 64.5 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | |
| GE 20000 | 33.1 | 61.0 | 65.0 | 66.3 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | |
| GE 18000 | 33.1 | 61.0 | 65.0 | 66.3 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | |
| GE 16000 | 33.1 | 61.0 | 65.0 | 66.3 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | |
| GE 14000 | 33.6 | 61.7 | 65.8 | 67.0 | 69.5 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | |
| GE 12000 | 33.9 | 62.2 | 66.3 | 67.5 | 70.0 | 70.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | |
| GE 10000 | 35.9 | 66.7 | 70.9 | 72.2 | 75.0 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | |
| GE 9000 | 35.9 | 66.7 | 70.9 | 72.2 | 75.0 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | |
| GE 8000 | 36.5 | 68.0 | 72.2 | 73.4 | 76.2 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | |
| GE 7000 | 36.7 | 68.1 | 72.3 | 73.6 | 76.4 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | |
| GE 6000 | 37.9 | 69.8 | 74.0 | 75.3 | 78.4 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | |
| GE 5000 | 39.5 | 72.2 | 76.5 | 77.8 | 80.9 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | |
| GE 4500 | 39.8 | 72.5 | 76.8 | 78.1 | 81.2 | 81.3 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | |
| GE 4000 | 40.1 | 74.2 | 78.5 | 79.9 | 82.9 | 83.0 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | |
| GE 3500 | 40.4 | 74.8 | 79.3 | 80.6 | 83.7 | 83.8 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | |
| GE 3000 | 41.5 | 77.8 | 82.3 | 83.7 | 86.8 | 86.9 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | |
| GE 2500 | 41.8 | 79.5 | 84.7 | 85.4 | 88.5 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | |
| GE 2000 | 42.1 | 81.2 | 85.7 | 87.2 | 90.5 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | |
| GE 1800 | 42.1 | 81.2 | 86.0 | 87.6 | 90.8 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | |
| GE 1500 | 42.1 | 82.1 | 87.1 | 89.1 | 92.5 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | |
| GE 1200 | 42.1 | 83.2 | 88.6 | 91.3 | 94.9 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | |
| GE 1000 | 42.1 | 83.4 | 89.0 | 91.8 | 95.6 | 95.8 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | |
| GE 900 | 42.1 | 83.5 | 89.1 | 91.9 | 95.8 | 96.0 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | |
| GE 800 | 42.1 | 83.5 | 89.1 | 91.9 | 95.8 | 96.0 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| GE 700 | 42.1 | 83.5 | 89.1 | 91.9 | 95.8 | 96.0 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| GE 600 | 42.1 | 83.5 | 89.3 | 92.1 | 96.0 | 96.1 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | |
| GE 500 | 42.1 | 83.5 | 89.3 | 92.2 | 96.3 | 96.6 | 97.5 | 97.7 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | |
| GE 400 | 42.1 | 83.5 | 89.3 | 92.4 | 96.4 | 96.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | |
| GE 300 | 42.1 | 83.5 | 89.3 | 92.4 | 96.4 | 96.4 | 98.0 | 98.3 | 98.3 | 98.3 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | |
| GE 200 | 42.1 | 83.5 | 89.3 | 92.4 | 96.4 | 96.4 | 98.0 | 98.3 | 98.3 | 98.3 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | |
| GE 100 | 42.1 | 83.5 | 89.3 | 92.4 | 96.4 | 96.9 | 98.0 | 98.3 | 98.3 | 98.3 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 100.0 | |
| GE 0 | 42.1 | 83.5 | 89.3 | 92.4 | 96.4 | 96.9 | 98.0 | 98.3 | 98.3 | 98.3 | 98.8 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: OCT HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 30.6 | 58.8 | 60.4 | 62.9 | 65.7 | 66.1 | 66.1 | 66.5 | 66.5 | 66.9 | 67.3 | 67.3 | 67.3 | 67.3 | 67.8 | 67.8 |
| GE 20000 | 30.6 | 60.8 | 62.4 | 64.9 | 67.8 | 68.2 | 68.2 | 68.6 | 68.6 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.8 | 69.8 |
| GE 18000 | 30.6 | 60.8 | 62.4 | 64.9 | 67.8 | 68.2 | 68.2 | 68.6 | 68.6 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.8 | 69.8 |
| GE 16000 | 30.6 | 60.8 | 62.4 | 64.9 | 67.8 | 68.2 | 68.2 | 68.6 | 68.6 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.8 | 69.8 |
| GE 14000 | 30.6 | 61.6 | 63.3 | 65.7 | 68.6 | 69.0 | 69.0 | 69.4 | 69.4 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.6 | 70.6 |
| GE 12000 | 31.0 | 62.0 | 63.7 | 66.1 | 69.0 | 69.4 | 69.4 | 69.8 | 69.8 | 70.2 | 70.6 | 70.6 | 70.6 | 70.6 | 71.0 | 71.0 |
| GE 10000 | 33.1 | 66.1 | 67.8 | 70.2 | 73.5 | 73.9 | 73.9 | 74.3 | 74.3 | 74.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.5 | 75.5 |
| GE 9000 | 33.1 | 66.1 | 67.8 | 70.2 | 73.5 | 73.9 | 73.9 | 74.3 | 74.3 | 74.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.5 | 75.5 |
| GE 8000 | 33.1 | 66.9 | 68.6 | 71.0 | 74.3 | 74.7 | 74.7 | 75.1 | 75.1 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 | 76.3 | 76.3 |
| GE 7000 | 33.5 | 67.3 | 69.0 | 71.8 | 75.1 | 75.5 | 75.5 | 75.9 | 75.9 | 76.3 | 76.7 | 76.7 | 76.7 | 76.7 | 77.1 | 77.1 |
| GE 6000 | 33.9 | 67.8 | 69.4 | 72.2 | 75.5 | 75.9 | 75.9 | 76.3 | 76.3 | 76.7 | 77.1 | 77.1 | 77.1 | 77.1 | 77.6 | 77.6 |
| GE 5000 | 35.5 | 71.8 | 73.5 | 76.3 | 79.6 | 80.0 | 80.0 | 80.4 | 80.4 | 80.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.6 | 81.6 |
| GE 4000 | 35.5 | 71.8 | 73.9 | 76.7 | 80.0 | 80.4 | 80.4 | 80.8 | 80.8 | 81.2 | 81.6 | 81.6 | 81.6 | 81.6 | 82.0 | 82.0 |
| GE 3500 | 35.9 | 73.1 | 75.1 | 78.0 | 81.2 | 81.6 | 81.6 | 82.0 | 82.0 | 82.4 | 82.9 | 82.9 | 82.9 | 82.9 | 83.3 | 83.3 |
| GE 3000 | 36.3 | 74.3 | 76.3 | 79.2 | 82.4 | 82.9 | 82.9 | 83.3 | 83.3 | 83.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.5 | 84.5 |
| GE 2500 | 37.6 | 76.7 | 78.8 | 81.6 | 84.9 | 85.3 | 85.3 | 85.7 | 85.7 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.9 | 86.9 |
| GE 2000 | 37.6 | 77.6 | 79.6 | 82.4 | 85.7 | 86.1 | 86.1 | 86.5 | 86.5 | 86.9 | 87.3 | 87.3 | 87.3 | 87.3 | 87.8 | 87.8 |
| GE 1800 | 38.0 | 79.6 | 81.6 | 84.9 | 88.2 | 88.6 | 88.6 | 89.0 | 89.0 | 89.4 | 89.8 | 89.8 | 89.8 | 89.8 | 90.2 | 90.2 |
| GE 1600 | 38.0 | 80.8 | 82.9 | 86.1 | 89.4 | 89.8 | 89.8 | 90.2 | 90.2 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.4 | 91.4 |
| GE 1400 | 38.0 | 81.6 | 83.7 | 86.9 | 90.6 | 91.0 | 91.0 | 91.4 | 91.4 | 91.8 | 92.2 | 92.2 | 92.2 | 92.2 | 92.7 | 92.7 |
| GE 1200 | 38.0 | 82.0 | 84.9 | 88.2 | 92.2 | 93.5 | 93.5 | 93.9 | 93.9 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 95.1 | 95.1 |
| GE 1000 | 38.0 | 82.4 | 85.3 | 88.6 | 92.7 | 93.9 | 94.3 | 94.7 | 94.7 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 |
| GE 900 | 38.0 | 82.4 | 85.3 | 88.6 | 92.7 | 93.9 | 94.3 | 94.7 | 94.7 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 |
| GE 800 | 38.0 | 82.4 | 85.3 | 88.6 | 92.7 | 93.9 | 94.3 | 94.7 | 94.7 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 |
| GE 700 | 38.0 | 82.4 | 85.3 | 88.6 | 92.7 | 93.9 | 94.3 | 94.7 | 94.7 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 |
| GE 600 | 38.0 | 82.4 | 85.3 | 88.6 | 92.7 | 93.9 | 94.3 | 94.7 | 94.7 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.9 | 95.9 |
| GE 500 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |
| GE 400 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |
| GE 300 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |
| GE 200 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |
| GE 100 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |
| GE 0 | 38.0 | 82.4 | 85.3 | 89.0 | 93.1 | 94.7 | 95.1 | 95.5 | 95.5 | 95.9 | 96.3 | 96.7 | 96.7 | 96.7 | 97.1 | 97.1 |

TOTAL NUMBER OF OBSERVATIONS: 245

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM POLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-84
MONTH: OCT HOURS(LST): ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 29.7 | 45.8 | 49.2 | 51.2 | 53.6 | 54.1 | 54.7 | 55.0 | 55.1 | 55.5 | 55.6 | 55.6 | 55.7 | 55.8 | 56.2 | 56.4 |
| GE 20000 | 33.4 | 51.6 | 55.7 | 57.9 | 60.4 | 61.1 | 61.7 | 62.0 | 62.1 | 62.5 | 62.6 | 62.6 | 62.7 | 62.8 | 63.3 | 63.5 |
| GE 18000 | 33.4 | 51.6 | 55.7 | 57.9 | 60.4 | 61.1 | 61.7 | 62.0 | 62.1 | 62.5 | 62.6 | 62.6 | 62.7 | 62.8 | 63.3 | 63.5 |
| GE 16000 | 33.4 | 51.6 | 55.7 | 57.9 | 60.4 | 61.1 | 61.7 | 62.0 | 62.1 | 62.5 | 62.6 | 62.6 | 62.7 | 62.8 | 63.3 | 63.5 |
| GE 14000 | 33.7 | 52.7 | 56.8 | 59.3 | 61.8 | 62.4 | 63.1 | 63.4 | 63.4 | 63.9 | 64.0 | 64.0 | 64.1 | 64.2 | 64.7 | 64.9 |
| GE 12000 | 34.2 | 53.5 | 57.7 | 60.2 | 62.7 | 63.4 | 64.0 | 64.4 | 64.4 | 64.8 | 64.9 | 64.9 | 65.1 | 65.1 | 65.6 | 65.9 |
| GE 10000 | 35.8 | 56.8 | 61.3 | 63.9 | 66.6 | 67.3 | 68.0 | 68.3 | 68.3 | 68.8 | 68.9 | 68.9 | 69.0 | 69.1 | 69.6 | 69.8 |
| GE 9000 | 35.8 | 56.8 | 61.3 | 64.0 | 66.6 | 67.4 | 68.0 | 68.3 | 68.4 | 68.8 | 68.9 | 68.9 | 69.0 | 69.1 | 69.6 | 69.9 |
| GE 8000 | 36.8 | 58.6 | 63.3 | 65.9 | 68.7 | 69.4 | 70.2 | 70.5 | 70.5 | 71.0 | 71.1 | 71.1 | 71.2 | 71.3 | 71.8 | 72.0 |
| GE 7000 | 37.3 | 59.3 | 64.0 | 66.7 | 69.5 | 70.2 | 71.0 | 71.3 | 71.4 | 71.8 | 71.9 | 71.9 | 72.0 | 72.1 | 72.6 | 72.8 |
| GE 6000 | 37.9 | 60.3 | 65.1 | 67.9 | 70.8 | 71.5 | 72.2 | 72.6 | 72.6 | 73.0 | 73.1 | 73.1 | 73.3 | 73.4 | 73.9 | 74.1 |
| GE 5000 | 38.8 | 61.8 | 66.7 | 69.5 | 72.4 | 73.2 | 74.0 | 74.4 | 74.4 | 74.9 | 75.0 | 75.0 | 75.1 | 75.2 | 75.7 | 75.9 |
| GE 4500 | 39.0 | 62.1 | 67.1 | 69.9 | 72.9 | 73.7 | 74.5 | 74.9 | 74.9 | 75.4 | 75.4 | 75.4 | 75.6 | 75.7 | 76.2 | 76.4 |
| GE 4000 | 39.9 | 63.7 | 68.8 | 71.8 | 74.8 | 75.6 | 76.5 | 76.9 | 76.9 | 77.3 | 77.4 | 77.4 | 77.6 | 77.7 | 78.2 | 78.4 |
| GE 3500 | 40.8 | 65.1 | 70.3 | 73.3 | 76.3 | 77.2 | 78.1 | 78.5 | 78.5 | 79.0 | 79.0 | 79.0 | 79.2 | 79.3 | 79.8 | 80.0 |
| GE 3000 | 41.7 | 67.2 | 72.5 | 75.8 | 78.9 | 79.8 | 80.7 | 81.1 | 81.2 | 81.6 | 81.7 | 81.7 | 81.9 | 82.0 | 82.5 | 82.7 |
| GE 2500 | 42.6 | 69.1 | 74.5 | 77.6 | 81.0 | 82.0 | 82.9 | 83.3 | 83.4 | 83.9 | 84.0 | 84.0 | 84.1 | 84.2 | 84.7 | 84.9 |
| GE 2000 | 43.4 | 70.7 | 76.4 | 79.8 | 83.1 | 84.1 | 85.1 | 85.5 | 85.5 | 86.0 | 86.1 | 86.1 | 86.3 | 86.4 | 86.8 | 87.1 |
| GE 1800 | 43.4 | 70.9 | 76.7 | 80.2 | 83.5 | 84.5 | 85.5 | 85.9 | 86.0 | 86.5 | 86.5 | 86.5 | 86.7 | 86.8 | 87.3 | 87.5 |
| GE 1500 | 43.7 | 72.3 | 78.3 | 82.3 | 85.8 | 86.9 | 87.9 | 88.3 | 88.4 | 88.9 | 89.0 | 89.0 | 89.1 | 89.2 | 89.7 | 89.9 |
| GE 1000 | 43.8 | 73.0 | 79.4 | 83.7 | 87.4 | 88.7 | 89.8 | 90.2 | 90.2 | 90.7 | 90.8 | 90.8 | 90.9 | 91.0 | 91.5 | 91.8 |
| GE 800 | 43.8 | 73.3 | 79.9 | 84.4 | 88.3 | 89.6 | 90.7 | 91.2 | 91.2 | 91.7 | 91.8 | 91.8 | 92.0 | 92.1 | 92.5 | 92.8 |
| GE 700 | 43.8 | 73.4 | 80.1 | 84.6 | 88.5 | 89.9 | 91.1 | 91.5 | 91.5 | 92.0 | 92.1 | 92.1 | 92.3 | 92.4 | 92.9 | 93.1 |
| GE 600 | 43.8 | 73.6 | 80.3 | 85.0 | 89.1 | 90.7 | 91.9 | 92.4 | 92.4 | 93.0 | 93.1 | 93.1 | 93.2 | 93.3 | 93.8 | 94.0 |
| GE 500 | 43.9 | 73.9 | 80.8 | 85.5 | 89.7 | 91.3 | 92.7 | 93.2 | 93.2 | 93.8 | 93.9 | 93.9 | 94.0 | 94.1 | 94.6 | 94.9 |
| GE 400 | 43.9 | 74.0 | 81.1 | 85.9 | 90.1 | 91.9 | 93.3 | 93.9 | 94.0 | 94.5 | 94.6 | 94.6 | 94.8 | 94.9 | 95.4 | 95.6 |
| GE 300 | 43.9 | 74.2 | 81.3 | 86.3 | 90.7 | 92.7 | 94.7 | 95.5 | 95.5 | 96.2 | 96.3 | 96.3 | 96.4 | 96.6 | 97.1 | 97.3 |
| GE 200 | 43.9 | 74.3 | 81.4 | 86.5 | 90.9 | 93.0 | 95.1 | 96.3 | 96.3 | 97.4 | 97.4 | 97.4 | 97.7 | 97.9 | 98.0 | 98.2 |
| GE 150 | 43.9 | 74.3 | 81.4 | 86.5 | 90.9 | 93.0 | 95.1 | 96.3 | 96.4 | 97.5 | 97.5 | 97.5 | 97.8 | 98.0 | 98.1 | 98.7 |
| GE 100 | 43.9 | 74.3 | 81.4 | 86.5 | 90.9 | 93.0 | 95.1 | 96.3 | 96.4 | 97.5 | 97.5 | 97.5 | 97.9 | 98.1 | 98.2 | 98.9 |
| GE 0 | 43.9 | 74.3 | 81.4 | 86.5 | 90.9 | 93.0 | 95.1 | 96.3 | 96.4 | 97.5 | 97.5 | 97.5 | 97.9 | 98.1 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS/STATION: 0600-0600

| CEILING IN FEET | GE 1 | GE 2 | GE 3 | GE 4 | GE 5 | GE 6 | GE 7 | GE 8 | GE 9 | GE 10 | GE 11 | GE 12 | GE 13 | GE 14 | GE 15 | GE 16 | GE 17 | GE 18 | GE 19 | GE 20 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| NO CEIL | 14.8 | 27.3 | 30.9 | 34.0 | 38.5 | 41.0 | 43.6 | 45.5 | 45.5 | 46.3 | 46.5 | 46.5 | 47.1 | 47.3 | 47.9 | 47.9 | | | | |
| GE 20000 | 15.4 | 29.9 | 33.6 | 37.3 | 42.4 | 45.1 | 47.9 | 49.8 | 49.8 | 50.6 | 50.8 | 50.8 | 51.4 | 51.6 | 52.1 | 52.1 | | | | |
| GE 18000 | 15.4 | 29.9 | 33.6 | 37.3 | 42.4 | 45.1 | 47.9 | 49.8 | 49.8 | 50.6 | 50.8 | 50.8 | 51.4 | 51.6 | 52.1 | 52.1 | | | | |
| GE 16000 | 15.4 | 29.9 | 33.6 | 37.3 | 42.4 | 45.1 | 47.9 | 49.8 | 49.8 | 50.6 | 50.8 | 50.8 | 51.4 | 51.6 | 52.1 | 52.1 | | | | |
| GE 14000 | 15.6 | 30.7 | 34.4 | 38.3 | 43.6 | 46.5 | 49.2 | 51.2 | 51.2 | 52.0 | 52.1 | 52.1 | 52.7 | 52.9 | 53.5 | 53.5 | | | | |
| GE 12000 | 15.8 | 32.1 | 34.8 | 38.7 | 43.9 | 46.9 | 49.6 | 51.6 | 51.6 | 52.3 | 52.5 | 52.5 | 53.1 | 53.3 | 53.9 | 53.9 | | | | |
| GE 10000 | 16.4 | 32.6 | 37.5 | 42.0 | 47.9 | 50.8 | 53.5 | 55.5 | 55.5 | 56.2 | 56.4 | 56.4 | 57.0 | 57.4 | 58.0 | 58.0 | | | | |
| GE 9000 | 16.4 | 32.6 | 37.5 | 42.0 | 47.9 | 50.8 | 53.5 | 55.5 | 55.5 | 56.3 | 56.4 | 56.4 | 57.0 | 57.4 | 58.0 | 58.0 | | | | |
| GE 8000 | 16.8 | 34.6 | 39.8 | 44.5 | 50.4 | 53.5 | 56.4 | 58.4 | 58.4 | 59.2 | 59.4 | 59.4 | 60.0 | 60.4 | 60.9 | 61.1 | | | | |
| GE 7000 | 17.0 | 34.8 | 40.0 | 44.9 | 50.8 | 53.9 | 56.8 | 58.8 | 58.8 | 59.8 | 60.0 | 60.0 | 60.5 | 60.9 | 61.5 | 61.7 | | | | |
| GE 6000 | 17.0 | 35.0 | 40.2 | 45.1 | 51.0 | 54.1 | 57.0 | 59.0 | 59.0 | 60.0 | 60.2 | 60.2 | 60.9 | 61.3 | 61.9 | 62.1 | | | | |
| GE 5000 | 17.4 | 37.1 | 42.4 | 47.3 | 53.7 | 57.0 | 60.0 | 61.9 | 61.9 | 62.9 | 63.1 | 63.1 | 63.9 | 64.3 | 65.0 | 65.2 | | | | |
| GE 4500 | 17.6 | 37.5 | 43.0 | 48.2 | 54.7 | 58.2 | 61.1 | 63.1 | 63.1 | 64.1 | 64.3 | 64.3 | 65.0 | 65.4 | 66.2 | 66.4 | | | | |
| GE 4000 | 17.6 | 39.3 | 45.5 | 50.8 | 57.4 | 60.9 | 63.9 | 65.8 | 65.8 | 66.8 | 67.0 | 67.0 | 67.8 | 68.2 | 68.9 | 69.1 | | | | |
| GE 3500 | 18.0 | 39.6 | 46.1 | 51.4 | 58.0 | 61.9 | 64.8 | 66.8 | 66.8 | 67.8 | 68.0 | 68.0 | 68.8 | 69.1 | 69.9 | 70.1 | | | | |
| GE 3000 | 18.9 | 42.4 | 49.2 | 55.1 | 61.9 | 66.0 | 69.1 | 71.5 | 71.5 | 72.9 | 73.0 | 73.0 | 73.9 | 74.2 | 75.0 | 75.4 | | | | |
| GE 2500 | 18.9 | 42.6 | 49.8 | 55.9 | 63.1 | 67.4 | 70.5 | 73.0 | 73.0 | 74.6 | 74.8 | 74.8 | 75.6 | 76.0 | 76.8 | 77.1 | | | | |
| GE 2000 | 19.1 | 43.9 | 51.2 | 57.6 | 65.0 | 69.3 | 72.5 | 75.0 | 75.0 | 76.8 | 77.0 | 77.0 | 77.7 | 78.1 | 78.9 | 79.3 | | | | |
| GE 1800 | 19.1 | 44.1 | 51.4 | 57.8 | 65.2 | 69.5 | 72.7 | 75.2 | 75.2 | 77.0 | 77.1 | 77.1 | 77.9 | 78.3 | 79.1 | 79.5 | | | | |
| GE 1500 | 19.1 | 44.5 | 52.0 | 58.6 | 66.4 | 70.7 | 74.0 | 76.6 | 76.6 | 78.3 | 78.5 | 78.5 | 79.3 | 79.7 | 80.5 | 80.9 | | | | |
| GE 1200 | 19.1 | 44.9 | 52.3 | 59.2 | 67.4 | 71.7 | 75.2 | 77.7 | 77.7 | 79.5 | 79.7 | 79.7 | 80.5 | 80.9 | 81.6 | 82.0 | | | | |
| GE 1000 | 19.1 | 45.5 | 52.9 | 59.8 | 68.0 | 72.3 | 76.0 | 78.7 | 78.7 | 80.5 | 80.7 | 80.7 | 81.4 | 81.8 | 82.6 | 83.0 | | | | |
| GE 900 | 19.1 | 45.7 | 53.1 | 60.2 | 68.6 | 72.9 | 76.8 | 79.5 | 79.5 | 81.3 | 81.4 | 81.4 | 82.2 | 82.6 | 83.4 | 83.8 | | | | |
| GE 800 | 19.1 | 45.9 | 53.7 | 60.9 | 69.5 | 74.0 | 78.1 | 80.9 | 80.9 | 82.6 | 82.8 | 82.8 | 83.6 | 84.0 | 84.8 | 85.4 | | | | |
| GE 700 | 19.1 | 45.9 | 53.7 | 60.9 | 70.1 | 74.8 | 78.9 | 81.6 | 81.6 | 83.4 | 83.6 | 83.6 | 84.4 | 84.8 | 85.5 | 86.1 | | | | |
| GE 600 | 19.1 | 46.3 | 54.1 | 61.3 | 70.7 | 76.0 | 80.1 | 82.8 | 82.8 | 84.6 | 84.8 | 84.8 | 85.5 | 85.9 | 86.7 | 87.3 | | | | |
| GE 500 | 19.1 | 46.5 | 54.3 | 62.1 | 72.3 | 77.9 | 82.4 | 85.5 | 85.5 | 87.5 | 87.7 | 87.7 | 88.5 | 88.9 | 89.6 | 90.2 | | | | |
| GE 400 | 19.1 | 46.7 | 54.7 | 62.7 | 73.0 | 79.1 | 84.2 | 87.9 | 87.9 | 90.2 | 90.8 | 90.8 | 91.6 | 92.0 | 92.8 | 93.4 | | | | |
| GE 300 | 19.1 | 46.7 | 54.7 | 62.7 | 73.0 | 79.3 | 84.4 | 88.3 | 88.3 | 91.2 | 91.8 | 91.8 | 92.6 | 93.0 | 94.3 | 94.9 | | | | |
| GE 200 | 19.1 | 46.7 | 54.7 | 62.7 | 73.0 | 79.3 | 84.4 | 88.3 | 88.3 | 91.8 | 92.4 | 92.4 | 93.4 | 93.8 | 95.7 | 96.3 | | | | |
| GE 100 | 19.1 | 46.7 | 54.7 | 62.7 | 73.0 | 79.3 | 84.4 | 88.3 | 88.3 | 91.8 | 92.4 | 92.4 | 93.4 | 93.8 | 95.7 | 97.1 | | | | |
| GE 0 | 19.1 | 46.7 | 54.7 | 62.7 | 73.0 | 79.3 | 84.4 | 88.3 | 88.3 | 91.8 | 92.4 | 92.4 | 93.4 | 93.8 | 95.9 | 100.0 | | | | |

TOTAL NUMBER OF OBSERVATIONS: 517

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(IST): 0900-1100

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE C |
| NO CEIL | 27.4 | 41.2 | 44.3 | 46.9 | 48.2 | 49.0 | 49.7 | 49.8 | 49.9 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| GE 20000 | 29.9 | 44.8 | 48.2 | 50.9 | 52.3 | 53.1 | 54.0 | 54.1 | 54.2 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 18000 | 29.9 | 44.8 | 48.3 | 51.0 | 52.4 | 53.2 | 54.1 | 54.2 | 54.3 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 16000 | 29.9 | 44.8 | 48.3 | 51.0 | 52.4 | 53.2 | 54.1 | 54.2 | 54.3 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| GE 14000 | 30.2 | 45.4 | 49.1 | 51.9 | 53.3 | 54.1 | 55.0 | 55.1 | 55.2 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 12000 | 30.8 | 46.8 | 50.4 | 53.2 | 54.7 | 55.6 | 56.4 | 56.6 | 56.7 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| GE 10000 | 31.7 | 50.0 | 54.6 | 57.8 | 59.3 | 60.3 | 61.2 | 61.4 | 61.6 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| GE 9000 | 31.8 | 50.1 | 54.7 | 57.9 | 59.4 | 60.4 | 61.3 | 61.6 | 61.7 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| GE 8000 | 32.2 | 51.9 | 56.6 | 60.0 | 61.7 | 62.7 | 63.6 | 63.8 | 63.9 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 7000 | 33.1 | 52.8 | 57.7 | 61.1 | 62.8 | 63.8 | 64.7 | 64.9 | 65.0 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| GE 6000 | 33.8 | 54.3 | 59.4 | 63.1 | 64.8 | 65.8 | 66.7 | 66.9 | 67.0 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 5000 | 34.7 | 55.8 | 61.3 | 65.0 | 66.8 | 67.8 | 68.7 | 68.9 | 69.0 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 4500 | 34.8 | 56.1 | 61.7 | 65.6 | 67.3 | 68.4 | 69.3 | 69.6 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| GE 4000 | 35.7 | 57.8 | 64.0 | 67.9 | 70.0 | 71.2 | 72.3 | 72.6 | 72.7 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 3500 | 36.1 | 59.1 | 65.7 | 69.8 | 71.9 | 73.1 | 74.4 | 74.7 | 74.8 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 3000 | 37.0 | 61.0 | 67.7 | 71.9 | 74.4 | 75.7 | 77.0 | 77.2 | 77.3 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| GE 2500 | 37.9 | 62.2 | 69.2 | 73.9 | 76.7 | 77.9 | 79.2 | 79.4 | 79.6 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 2000 | 38.3 | 63.1 | 70.2 | 75.0 | 77.8 | 79.0 | 80.3 | 80.6 | 80.7 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 1800 | 38.6 | 63.7 | 70.8 | 75.6 | 78.3 | 79.6 | 80.9 | 81.1 | 81.2 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 1600 | 39.4 | 65.1 | 72.3 | 77.2 | 80.1 | 81.4 | 82.8 | 83.0 | 83.1 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 1400 | 39.4 | 65.9 | 73.1 | 78.0 | 80.9 | 82.2 | 83.6 | 83.8 | 83.9 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 1200 | 39.4 | 67.0 | 74.3 | 79.2 | 82.2 | 83.7 | 85.1 | 85.3 | 85.4 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 1000 | 39.4 | 67.0 | 74.3 | 79.2 | 82.2 | 83.9 | 85.4 | 85.8 | 85.9 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 900 | 39.6 | 67.3 | 74.9 | 79.8 | 82.9 | 84.9 | 86.6 | 87.1 | 87.2 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 |
| GE 800 | 39.6 | 67.6 | 75.2 | 80.2 | 83.9 | 86.0 | 87.7 | 88.2 | 88.3 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 |
| GE 700 | 39.6 | 67.7 | 75.4 | 80.4 | 84.1 | 86.3 | 88.2 | 89.0 | 89.2 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 |
| GE 600 | 39.7 | 68.3 | 76.4 | 81.7 | 86.1 | 88.6 | 91.4 | 92.3 | 92.6 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 |
| GE 500 | 39.7 | 68.4 | 76.6 | 82.0 | 86.9 | 89.4 | 92.7 | 93.8 | 94.0 | 95.7 | 95.9 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 |
| GE 400 | 39.7 | 68.4 | 76.8 | 82.1 | 87.2 | 90.0 | 93.2 | 94.3 | 94.6 | 96.8 | 97.0 | 97.0 | 97.0 | 97.3 | 97.6 | 97.7 |
| GE 300 | 39.7 | 68.4 | 76.8 | 82.1 | 87.3 | 90.2 | 93.6 | 94.7 | 94.9 | 97.1 | 97.4 | 97.4 | 97.4 | 97.8 | 98.2 | 98.3 |
| GE 200 | 39.7 | 68.4 | 76.8 | 82.1 | 87.3 | 90.2 | 93.6 | 94.7 | 94.9 | 97.6 | 97.9 | 97.9 | 97.9 | 98.2 | 98.7 | 99.1 |
| GE 100 | 39.7 | 68.4 | 76.8 | 82.1 | 87.3 | 90.2 | 93.6 | 94.7 | 94.9 | 97.6 | 98.0 | 98.0 | 98.2 | 98.6 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 7/16 | GE 1/4 | GE 0 |
| NO CEIL | 35.6 | 46.0 | 46.9 | 47.3 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| GE 20000 | 40.6 | 53.1 | 54.2 | 54.8 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 18000 | 40.6 | 53.1 | 54.2 | 54.8 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 16000 | 40.6 | 53.1 | 54.2 | 54.8 | 55.2 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| GE 14000 | 41.6 | 54.8 | 55.9 | 56.4 | 56.9 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 12000 | 41.8 | 55.4 | 56.7 | 57.2 | 57.7 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| GE 10000 | 42.8 | 57.9 | 59.4 | 60.1 | 61.0 | 61.3 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 9000 | 43.0 | 58.1 | 59.7 | 60.3 | 61.2 | 61.6 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| GE 8000 | 44.3 | 60.2 | 61.9 | 62.7 | 63.6 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 7000 | 44.8 | 60.7 | 62.3 | 63.1 | 64.0 | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| GE 6000 | 45.7 | 62.4 | 64.3 | 65.2 | 66.1 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 5000 | 46.7 | 64.1 | 66.1 | 67.0 | 68.1 | 68.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 4500 | 47.7 | 65.2 | 67.3 | 68.2 | 69.3 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 4000 | 48.9 | 67.8 | 70.4 | 71.6 | 72.9 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 3500 | 49.7 | 69.3 | 72.1 | 73.2 | 74.7 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3000 | 51.1 | 72.2 | 75.1 | 76.2 | 77.8 | 78.7 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 2500 | 52.1 | 74.0 | 77.2 | 78.7 | 80.2 | 81.1 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 2000 | 53.1 | 76.3 | 79.8 | 81.2 | 82.9 | 83.9 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 1800 | 53.1 | 76.7 | 80.1 | 81.6 | 83.2 | 84.2 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 1500 | 54.2 | 78.6 | 82.3 | 83.8 | 85.8 | 86.9 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1200 | 54.4 | 79.8 | 83.6 | 85.3 | 87.7 | 88.8 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 1000 | 54.8 | 80.6 | 84.4 | 86.2 | 88.8 | 89.9 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 900 | 54.8 | 80.7 | 84.6 | 86.3 | 88.9 | 90.0 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 800 | 54.9 | 81.3 | 85.2 | 87.0 | 89.7 | 90.8 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 700 | 54.9 | 81.6 | 85.4 | 87.2 | 90.0 | 91.2 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 600 | 54.9 | 81.8 | 86.0 | 87.9 | 91.8 | 92.1 | 93.1 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 500 | 54.9 | 81.8 | 86.2 | 88.4 | 91.7 | 93.4 | 95.2 | 96.3 | 96.3 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 400 | 54.9 | 81.8 | 86.2 | 88.6 | 91.9 | 93.7 | 95.8 | 97.1 | 97.1 | 97.7 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 300 | 54.9 | 81.8 | 86.2 | 88.7 | 92.2 | 94.1 | 96.3 | 97.8 | 97.8 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 200 | 54.9 | 81.8 | 86.2 | 88.7 | 92.3 | 94.2 | 96.6 | 98.0 | 98.0 | 98.9 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | 54.9 | 81.8 | 86.2 | 88.7 | 92.3 | 94.2 | 96.6 | 98.0 | 98.0 | 99.0 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 0 | 54.9 | 81.8 | 86.2 | 88.7 | 92.3 | 94.2 | 96.6 | 98.0 | 98.0 | 99.0 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 37.5 | 48.4 | 49.6 | 49.8 | 50.1 | 50.1 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| GE 20000 | 40.3 | 53.6 | 55.3 | 55.8 | 56.5 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 18000 | 40.3 | 53.6 | 55.3 | 55.8 | 56.5 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 16000 | 40.3 | 53.6 | 55.3 | 55.8 | 56.5 | 56.6 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| GE 14000 | 41.1 | 55.5 | 57.2 | 57.7 | 58.4 | 58.6 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 12000 | 41.4 | 56.1 | 57.9 | 58.4 | 59.2 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| GE 10000 | 44.0 | 60.8 | 62.7 | 63.3 | 64.0 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 9000 | 44.0 | 60.8 | 62.7 | 63.3 | 64.0 | 64.4 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 8000 | 45.0 | 62.0 | 63.9 | 64.5 | 65.3 | 65.6 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 7000 | 45.5 | 62.5 | 64.4 | 65.0 | 65.8 | 66.1 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 6000 | 46.8 | 64.4 | 66.5 | 67.2 | 68.1 | 68.6 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 5000 | 48.3 | 67.1 | 69.5 | 70.2 | 71.2 | 71.7 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 4500 | 48.9 | 68.5 | 70.8 | 71.7 | 72.7 | 73.2 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 4000 | 49.8 | 70.7 | 73.2 | 74.4 | 75.7 | 76.2 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 3500 | 50.9 | 72.8 | 75.3 | 76.8 | 78.0 | 78.5 | 79.0 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| GE 3000 | 52.6 | 75.1 | 77.8 | 79.5 | 80.8 | 81.3 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 2500 | 51.1 | 76.2 | 79.7 | 81.6 | 83.0 | 83.5 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 2000 | 53.5 | 77.4 | 81.3 | 83.4 | 84.7 | 85.2 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 1800 | 53.5 | 77.8 | 81.6 | 83.7 | 85.2 | 85.7 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1500 | 53.7 | 78.8 | 82.8 | 84.9 | 86.6 | 87.2 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 1200 | 53.7 | 79.3 | 83.6 | 85.9 | 87.7 | 88.7 | 89.3 | 89.3 | 89.3 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 1000 | 53.7 | 79.7 | 84.2 | 86.5 | 88.7 | 90.0 | 90.6 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 900 | 53.7 | 79.7 | 84.2 | 86.6 | 88.8 | 90.1 | 90.7 | 90.8 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 800 | 53.7 | 79.8 | 84.5 | 87.0 | 89.2 | 90.4 | 91.3 | 91.4 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 700 | 53.7 | 79.9 | 84.6 | 87.1 | 89.5 | 90.8 | 91.8 | 91.9 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 600 | 53.7 | 80.1 | 84.9 | 87.5 | 90.2 | 91.8 | 93.5 | 93.8 | 93.9 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 500 | 53.7 | 80.1 | 85.1 | 88.0 | 91.1 | 93.2 | 95.0 | 95.7 | 95.8 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 400 | 53.7 | 80.1 | 85.1 | 88.1 | 91.3 | 93.4 | 95.5 | 96.3 | 96.4 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 300 | 53.7 | 80.1 | 85.1 | 88.2 | 91.6 | 93.7 | 95.9 | 96.7 | 96.9 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 200 | 53.7 | 80.1 | 85.1 | 88.2 | 91.6 | 93.7 | 96.0 | 97.0 | 97.3 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 100 | 53.7 | 80.1 | 85.1 | 88.2 | 91.6 | 93.7 | 96.0 | 97.0 | 97.3 | 99.0 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 53.7 | 80.1 | 85.1 | 88.2 | 91.6 | 93.7 | 96.0 | 97.0 | 97.3 | 99.0 | 99.5 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 806

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86
MONTH: NOV HOURS(LST): 1800-2000

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|------------|------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | | 29.6 | 52.3 | 54.2 | 54.4 | 54.6 | 54.6 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | |
| GE 20000 | 32.0 | 55.8 | 58.1 | 58.9 | 59.0 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| GE 18000 | 32.0 | 55.8 | 58.1 | 58.9 | 59.0 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| GE 16000 | 32.0 | 55.8 | 58.1 | 58.9 | 59.0 | 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | |
| GE 14000 | 32.6 | 57.6 | 60.0 | 60.8 | 61.0 | 61.0 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | |
| GE 12000 | 33.3 | 58.6 | 61.0 | 61.8 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | |
| GE 10000 | 34.1 | 61.9 | 64.5 | 65.4 | 65.6 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | |
| GE 9000 | 34.1 | 61.9 | 64.5 | 65.4 | 65.6 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | |
| GE 8000 | 34.4 | 63.7 | 66.2 | 67.2 | 67.5 | 67.5 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | |
| GE 7000 | 34.6 | 64.2 | 66.7 | 67.7 | 68.0 | 68.0 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | |
| GE 6000 | 35.2 | 66.9 | 69.8 | 71.0 | 71.4 | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | |
| GE 5000 | 37.4 | 70.9 | 74.4 | 75.8 | 76.8 | 76.8 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 4500 | 37.6 | 72.0 | 75.5 | 77.3 | 78.2 | 78.2 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | |
| GE 4000 | 37.8 | 73.6 | 77.1 | 79.0 | 80.0 | 80.0 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | |
| GE 3500 | 37.8 | 74.1 | 77.6 | 79.5 | 80.5 | 80.5 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | |
| GE 3000 | 38.1 | 74.7 | 78.4 | 80.3 | 81.4 | 81.4 | 81.9 | 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | |
| GE 2500 | 38.1 | 75.2 | 78.9 | 80.8 | 82.2 | 82.4 | 82.9 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | |
| GE 2000 | 38.2 | 75.5 | 79.4 | 81.3 | 82.7 | 83.0 | 83.8 | 84.0 | 84.0 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | |
| GE 1800 | 38.2 | 75.5 | 79.5 | 81.8 | 83.2 | 83.5 | 84.3 | 84.6 | 84.6 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | |
| GE 1500 | 38.4 | 76.3 | 80.8 | 83.4 | 84.8 | 85.1 | 85.9 | 86.2 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | |
| GE 1200 | 38.4 | 76.6 | 81.9 | 84.6 | 86.2 | 86.6 | 87.5 | 87.8 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | |
| GE 1000 | 38.4 | 76.8 | 82.1 | 85.4 | 87.0 | 87.4 | 88.3 | 88.6 | 88.6 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | |
| GE 900 | 38.4 | 77.0 | 82.2 | 85.6 | 87.4 | 87.8 | 89.1 | 89.4 | 89.4 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | |
| GE 800 | 38.4 | 77.1 | 82.4 | 85.8 | 87.5 | 88.3 | 89.6 | 90.1 | 90.1 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | |
| GE 700 | 38.4 | 77.6 | 83.2 | 86.6 | 88.3 | 89.1 | 90.7 | 91.4 | 91.4 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | |
| GE 600 | 38.4 | 77.9 | 83.7 | 87.2 | 89.1 | 89.9 | 91.5 | 92.5 | 92.5 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | |
| GE 500 | 38.4 | 77.9 | 84.0 | 87.8 | 90.2 | 91.2 | 93.0 | 94.2 | 94.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | |
| GE 400 | 38.4 | 77.9 | 84.0 | 87.8 | 90.4 | 91.4 | 93.1 | 94.6 | 94.6 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | |
| GE 300 | 38.4 | 77.4 | 84.0 | 87.8 | 90.4 | 91.4 | 93.1 | 94.7 | 94.7 | 96.8 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | |
| GE 200 | 38.4 | 77.9 | 84.0 | 87.8 | 90.6 | 91.5 | 93.3 | 95.2 | 95.2 | 97.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | |
| GE 100 | 38.4 | 77.9 | 84.0 | 87.8 | 90.6 | 91.5 | 93.3 | 95.2 | 95.2 | 97.9 | 99.0 | 99.0 | 99.0 | 99.7 | 99.7 | 99.8 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86

MONTH: NOV

HOURS (LST): 2100-2300

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 26.4 | 48.2 | 49.6 | 50.6 | 51.1 | 51.3 | 51.6 | 51.6 | 51.6 | 51.8 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| GE 20000 | 27.6 | 50.1 | 52.0 | 53.0 | 53.5 | 53.7 | 54.0 | 54.0 | 54.0 | 54.2 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 18000 | 27.6 | 50.1 | 52.0 | 53.0 | 53.5 | 53.7 | 54.0 | 54.0 | 54.0 | 54.2 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 16000 | 27.6 | 50.1 | 52.0 | 53.0 | 53.5 | 53.7 | 54.0 | 54.0 | 54.0 | 54.2 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| GE 14000 | 28.1 | 51.3 | 53.5 | 54.4 | 54.9 | 55.2 | 55.4 | 55.4 | 55.4 | 55.6 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| GE 12000 | 28.5 | 52.0 | 54.2 | 55.2 | 55.6 | 55.9 | 56.1 | 56.1 | 56.1 | 56.4 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| GE 10000 | 30.0 | 54.7 | 57.1 | 58.0 | 58.8 | 59.0 | 59.2 | 59.2 | 59.2 | 59.5 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 9000 | 30.0 | 54.7 | 57.1 | 58.0 | 58.8 | 59.0 | 59.2 | 59.2 | 59.2 | 59.5 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| GE 8000 | 31.2 | 57.6 | 60.4 | 61.4 | 62.1 | 62.4 | 62.8 | 62.8 | 62.8 | 63.3 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 7000 | 31.2 | 58.3 | 61.4 | 62.4 | 63.1 | 63.3 | 63.8 | 63.8 | 63.8 | 64.3 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 6000 | 31.7 | 60.0 | 63.1 | 64.0 | 64.7 | 65.0 | 65.5 | 65.5 | 65.5 | 65.9 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 5000 | 33.3 | 64.0 | 67.4 | 68.6 | 69.5 | 70.0 | 70.5 | 70.5 | 70.5 | 71.0 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 4500 | 33.3 | 65.0 | 68.3 | 69.5 | 70.5 | 71.0 | 71.5 | 71.5 | 71.5 | 71.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 4000 | 34.8 | 68.1 | 71.5 | 72.7 | 73.6 | 74.1 | 74.6 | 74.6 | 74.6 | 75.1 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 3500 | 35.3 | 69.1 | 72.4 | 73.6 | 74.6 | 75.1 | 75.5 | 75.5 | 75.5 | 76.0 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 3000 | 36.2 | 71.5 | 74.8 | 76.0 | 77.0 | 77.5 | 77.9 | 77.9 | 77.9 | 78.4 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 2500 | 36.7 | 72.2 | 75.8 | 77.2 | 78.4 | 78.9 | 79.4 | 79.4 | 79.4 | 79.9 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 2000 | 36.7 | 72.4 | 76.3 | 77.9 | 79.1 | 79.9 | 80.3 | 80.3 | 80.3 | 80.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 1800 | 36.7 | 72.4 | 76.3 | 77.9 | 79.1 | 80.1 | 80.6 | 80.8 | 80.8 | 81.3 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 1500 | 36.7 | 72.9 | 77.2 | 79.1 | 81.3 | 82.3 | 82.7 | 83.5 | 83.5 | 83.9 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 1200 | 36.7 | 73.1 | 77.5 | 79.6 | 81.8 | 82.7 | 83.2 | 83.9 | 83.9 | 84.4 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 1000 | 36.7 | 74.1 | 78.9 | 81.3 | 83.5 | 84.4 | 84.9 | 85.6 | 85.6 | 86.1 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 900 | 36.7 | 74.1 | 79.1 | 81.8 | 83.9 | 84.9 | 85.4 | 86.1 | 86.1 | 86.6 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 800 | 36.7 | 74.6 | 79.9 | 82.5 | 84.7 | 85.6 | 86.1 | 86.8 | 86.8 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 700 | 36.7 | 75.1 | 81.3 | 83.9 | 86.8 | 88.0 | 88.5 | 89.2 | 89.2 | 89.7 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 600 | 36.7 | 75.3 | 82.0 | 84.9 | 88.5 | 89.7 | 90.9 | 91.6 | 91.6 | 92.1 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 500 | 36.7 | 75.8 | 82.7 | 85.6 | 89.4 | 90.6 | 92.1 | 93.0 | 93.0 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 400 | 36.7 | 75.8 | 82.7 | 85.6 | 89.7 | 90.9 | 92.8 | 93.8 | 93.8 | 95.2 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 300 | 36.7 | 75.8 | 83.0 | 85.9 | 89.9 | 91.1 | 93.0 | 94.2 | 94.2 | 95.9 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 200 | 36.7 | 75.8 | 83.0 | 85.9 | 89.9 | 91.1 | 93.0 | 94.2 | 94.5 | 96.4 | 98.6 | 98.6 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 100 | 36.7 | 75.8 | 83.0 | 85.9 | 89.9 | 91.1 | 93.0 | 94.5 | 94.7 | 96.6 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 99.8 |
| GE 0 | 36.7 | 75.8 | 83.0 | 85.9 | 89.9 | 91.1 | 93.0 | 94.5 | 94.7 | 96.6 | 98.8 | 98.8 | 99.5 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 417

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86

MONTH: NOV

HOURS(LST):

ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|----------|---------|---------|---------|---------|---------|-------------|---------|-------------|---------|-----------|-----------|-----------|------------|-----------|
| | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 1 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 29.8 | 44.3 | 46.3 | 47.5 | 48.5 | 49.0 | 49.6 | 49.9 | 49.9 | 50.1 | 50.2 | 50.2 | 50.3 | 50.3 | 50.4 | 50.4 |
| GE 20000 | 32.5 | 48.7 | 51.0 | 52.4 | 53.7 | 54.3 | 55.0 | 55.2 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 |
| GE 18000 | 32.5 | 48.7 | 51.0 | 52.5 | 53.7 | 54.3 | 55.0 | 55.3 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 |
| GE 16000 | 32.5 | 48.7 | 51.0 | 52.5 | 53.7 | 54.3 | 55.0 | 55.3 | 55.3 | 55.5 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 |
| GE 14000 | 33.1 | 50.0 | 52.4 | 53.9 | 55.2 | 55.8 | 56.5 | 56.8 | 56.8 | 57.0 | 57.1 | 57.1 | 57.2 | 57.2 | 57.3 | 57.3 |
| GE 12000 | 33.5 | 50.8 | 53.3 | 54.8 | 56.1 | 56.7 | 57.5 | 57.7 | 57.7 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.2 | 58.2 |
| GE 10000 | 34.8 | 53.9 | 56.8 | 58.6 | 60.1 | 60.8 | 61.6 | 61.9 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.3 | 62.4 | 62.4 |
| GE 9000 | 34.9 | 54.0 | 56.9 | 58.7 | 60.1 | 60.9 | 61.6 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.3 | 62.4 | 62.4 | 62.4 |
| GE 8000 | 35.6 | 55.9 | 58.9 | 60.8 | 62.3 | 63.1 | 63.9 | 64.2 | 64.2 | 64.4 | 64.5 | 64.5 | 64.6 | 64.6 | 64.7 | 64.7 |
| GE 7000 | 36.1 | 56.4 | 59.5 | 61.4 | 63.0 | 63.7 | 64.5 | 64.8 | 64.8 | 65.1 | 65.2 | 65.2 | 65.2 | 65.3 | 65.4 | 65.4 |
| GE 6000 | 36.8 | 58.1 | 61.4 | 63.4 | 65.0 | 65.8 | 66.6 | 66.9 | 66.9 | 67.2 | 67.2 | 67.2 | 67.3 | 67.4 | 67.5 | 67.5 |
| GE 5000 | 38.1 | 60.6 | 64.2 | 66.3 | 68.1 | 68.9 | 69.7 | 70.0 | 70.0 | 70.3 | 70.4 | 70.4 | 70.5 | 70.6 | 70.6 | 70.7 |
| GE 4500 | 38.5 | 61.5 | 65.1 | 67.4 | 69.2 | 70.1 | 70.9 | 71.2 | 71.2 | 71.5 | 71.6 | 71.6 | 71.7 | 71.7 | 71.8 | 71.8 |
| GE 4000 | 39.3 | 63.6 | 67.6 | 70.0 | 72.0 | 73.0 | 73.9 | 74.2 | 74.2 | 74.5 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 74.9 |
| GE 3500 | 39.8 | 64.8 | 69.0 | 71.5 | 73.5 | 74.6 | 75.5 | 75.8 | 75.8 | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 | 76.4 | 76.5 |
| GE 3000 | 40.9 | 67.0 | 71.3 | 73.9 | 76.2 | 77.3 | 78.2 | 78.6 | 78.6 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.3 | 79.4 |
| GE 2500 | 41.5 | 68.0 | 72.7 | 75.6 | 78.0 | 79.2 | 80.2 | 80.6 | 80.6 | 81.0 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 | 81.4 |
| GE 2000 | 41.9 | 69.2 | 74.1 | 77.1 | 79.5 | 80.8 | 81.9 | 82.3 | 82.3 | 82.8 | 82.8 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 |
| GE 1800 | 42.0 | 69.5 | 74.4 | 77.4 | 79.9 | 81.2 | 82.3 | 82.7 | 82.8 | 83.3 | 83.3 | 83.3 | 83.4 | 83.5 | 83.6 | 83.6 |
| GE 1500 | 42.5 | 70.6 | 75.8 | 78.9 | 81.7 | 83.1 | 84.2 | 84.7 | 84.7 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.5 | 85.6 |
| GE 1200 | 42.5 | 71.3 | 76.6 | 80.0 | 82.9 | 84.3 | 85.5 | 86.0 | 86.0 | 86.5 | 86.6 | 86.6 | 86.7 | 86.8 | 86.9 | 86.9 |
| GE 1000 | 42.6 | 71.9 | 77.4 | 80.9 | 84.0 | 85.5 | 86.7 | 87.3 | 87.3 | 87.8 | 87.9 | 87.9 | 88.0 | 88.1 | 88.2 | 88.2 |
| GE 900 | 42.6 | 72.0 | 77.5 | 81.1 | 84.2 | 85.7 | 87.1 | 87.7 | 87.7 | 88.2 | 88.3 | 88.3 | 88.4 | 88.5 | 88.6 | 88.6 |
| GE 800 | 42.6 | 72.3 | 78.0 | 81.6 | 84.8 | 86.5 | 88.0 | 88.6 | 88.7 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 | 89.5 | 89.6 |
| GE 700 | 42.6 | 72.6 | 78.4 | 82.0 | 85.6 | 87.4 | 88.9 | 89.6 | 89.6 | 90.2 | 90.3 | 90.3 | 90.4 | 90.5 | 90.6 | 90.6 |
| GE 600 | 42.6 | 72.8 | 78.8 | 82.5 | 86.3 | 88.2 | 90.1 | 90.9 | 91.0 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 | 92.1 | 92.1 |
| GE 500 | 42.7 | 73.0 | 79.3 | 83.3 | 87.5 | 89.8 | 92.1 | 93.4 | 93.4 | 94.4 | 94.5 | 94.5 | 94.7 | 94.7 | 94.8 | 94.9 |
| GE 400 | 42.7 | 73.1 | 79.4 | 83.5 | 87.9 | 90.3 | 92.9 | 94.4 | 94.4 | 95.9 | 96.3 | 96.3 | 96.4 | 96.5 | 96.6 | 96.7 |
| GE 300 | 42.7 | 73.1 | 79.4 | 83.6 | 88.1 | 90.6 | 93.3 | 94.8 | 94.9 | 96.7 | 97.3 | 97.3 | 97.4 | 97.5 | 97.8 | 97.9 |
| GE 200 | 42.7 | 73.1 | 79.4 | 83.6 | 88.2 | 90.7 | 93.5 | 95.1 | 95.2 | 97.2 | 97.9 | 97.9 | 98.2 | 98.3 | 98.6 | 98.7 |
| GE 100 | 42.7 | 73.1 | 79.4 | 83.6 | 88.2 | 90.7 | 93.5 | 95.1 | 95.2 | 97.4 | 98.2 | 98.2 | 98.6 | 98.7 | 99.1 | 99.4 |
| GE 0 | 42.7 | 73.1 | 79.4 | 83.6 | 88.2 | 90.7 | 93.5 | 95.1 | 95.2 | 97.4 | 98.2 | 98.2 | 98.7 | 98.8 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 4160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0600

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|
| | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 20.1 | 38.4 | 40.2 | 41.9 | 45.4 | 45.9 | 46.3 | 47.7 | 47.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.8 | 50.6 |
| GE 20000 | 22.0 | 42.3 | 44.4 | 46.7 | 50.2 | 50.8 | 51.7 | 53.7 | 53.9 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 56.0 | 56.8 |
| GE 18000 | 22.0 | 42.3 | 44.4 | 46.7 | 50.2 | 50.8 | 51.7 | 53.7 | 53.9 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 56.0 | 56.8 |
| GE 16000 | 22.0 | 42.3 | 44.4 | 46.7 | 50.2 | 50.8 | 51.7 | 53.7 | 53.9 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 | 56.0 | 56.8 |
| GE 14000 | 22.0 | 42.7 | 44.8 | 47.1 | 50.6 | 51.4 | 52.3 | 54.4 | 54.6 | 55.8 | 56.0 | 56.0 | 56.0 | 56.0 | 56.8 | 57.5 |
| GE 12000 | 22.2 | 43.2 | 45.4 | 47.7 | 51.2 | 51.9 | 52.9 | 55.0 | 55.2 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 57.3 | 58.1 |
| GE 10000 | 23.0 | 46.5 | 49.0 | 52.1 | 56.0 | 56.9 | 57.9 | 60.0 | 60.2 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 62.4 | 63.1 |
| GE 9000 | 23.0 | 46.5 | 49.0 | 52.1 | 56.0 | 56.9 | 57.9 | 60.0 | 60.2 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 62.4 | 63.1 |
| GE 8000 | 24.5 | 49.6 | 52.5 | 55.6 | 59.8 | 60.8 | 61.8 | 64.1 | 64.3 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 66.6 | 67.4 |
| GE 7000 | 24.7 | 49.8 | 52.9 | 56.4 | 60.6 | 61.6 | 62.5 | 64.9 | 65.1 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 67.4 | 68.1 |
| GE 6000 | 24.9 | 50.2 | 53.3 | 56.8 | 61.0 | 62.0 | 62.9 | 65.3 | 65.4 | 66.6 | 66.8 | 66.8 | 66.8 | 66.8 | 67.8 | 68.5 |
| GE 5000 | 25.3 | 51.7 | 55.2 | 59.1 | 63.5 | 64.7 | 65.8 | 68.3 | 68.5 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 71.0 | 71.8 |
| GE 4500 | 25.3 | 52.3 | 55.8 | 59.7 | 64.1 | 65.3 | 66.4 | 68.9 | 69.1 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 71.6 | 72.4 |
| GE 4000 | 25.5 | 54.2 | 58.3 | 62.4 | 66.8 | 68.1 | 69.5 | 72.2 | 72.4 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 75.1 | 75.9 |
| GE 3500 | 25.5 | 54.4 | 58.7 | 62.9 | 67.4 | 68.7 | 70.3 | 73.2 | 73.2 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 75.9 | 76.6 |
| GE 3000 | 25.9 | 56.0 | 60.4 | 64.9 | 69.3 | 70.8 | 72.4 | 75.1 | 75.3 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 78.0 | 78.8 |
| GE 2500 | 26.3 | 58.5 | 62.9 | 67.8 | 72.2 | 73.9 | 75.7 | 78.4 | 78.6 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 81.3 | 82.0 |
| GE 2000 | 26.4 | 59.1 | 63.5 | 68.5 | 73.2 | 75.1 | 76.8 | 79.5 | 79.7 | 81.1 | 81.3 | 81.3 | 81.3 | 81.3 | 82.4 | 83.2 |
| GE 1800 | 26.4 | 59.1 | 63.7 | 68.7 | 73.6 | 75.5 | 77.2 | 79.9 | 80.1 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 82.8 | 83.6 |
| GE 1500 | 26.6 | 60.2 | 65.1 | 70.3 | 75.1 | 77.0 | 79.0 | 81.7 | 81.9 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 84.6 | 85.3 |
| GE 1200 | 26.6 | 60.4 | 65.3 | 70.7 | 75.5 | 77.4 | 79.3 | 82.0 | 82.2 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 84.9 | 85.7 |
| GE 1000 | 26.6 | 60.8 | 66.0 | 71.6 | 77.0 | 79.0 | 81.1 | 83.8 | 84.0 | 85.3 | 85.5 | 85.5 | 85.5 | 85.7 | 86.9 | 87.6 |
| GE 900 | 26.6 | 60.8 | 66.0 | 71.6 | 77.0 | 79.0 | 81.1 | 83.8 | 84.0 | 85.3 | 85.5 | 85.5 | 85.5 | 85.7 | 86.9 | 87.6 |
| GE 800 | 26.8 | 61.2 | 66.4 | 72.0 | 77.8 | 79.9 | 82.2 | 84.9 | 85.1 | 86.5 | 86.7 | 86.7 | 86.7 | 86.9 | 88.0 | 88.8 |
| GE 700 | 26.8 | 61.6 | 66.8 | 72.4 | 78.2 | 80.5 | 82.8 | 85.9 | 86.1 | 87.5 | 87.6 | 87.6 | 87.6 | 87.8 | 89.0 | 89.8 |
| GE 600 | 27.0 | 62.0 | 67.4 | 73.2 | 79.0 | 81.3 | 84.2 | 87.3 | 87.5 | 88.8 | 89.0 | 89.0 | 89.0 | 89.2 | 90.3 | 91.1 |
| GE 500 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.5 | 90.2 | 90.3 | 92.1 | 92.3 | 92.3 | 92.3 | 92.5 | 93.6 | 94.4 |
| GE 400 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.7 | 90.3 | 90.5 | 92.5 | 92.7 | 92.7 | 92.7 | 93.1 | 94.2 | 95.0 |
| GE 300 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.9 | 90.9 | 91.1 | 93.6 | 93.8 | 93.8 | 94.2 | 94.4 | 95.8 | 96.5 |
| GE 200 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.9 | 91.1 | 91.3 | 94.2 | 94.4 | 94.4 | 94.4 | 94.8 | 96.7 | 97.9 |
| GE 100 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.9 | 91.1 | 91.3 | 94.2 | 94.4 | 94.4 | 94.4 | 94.8 | 96.7 | 98.1 |
| GE 21 | 27.0 | 62.0 | 67.4 | 73.4 | 79.5 | 82.0 | 86.9 | 91.1 | 91.3 | 94.2 | 94.4 | 94.4 | 94.8 | 95.0 | 96.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 518

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(LST): 0900-1100

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-----------------------------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|-------|
| IN FEET | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 |
| NO CEIL | 31.2 | 43.0 | 45.2 | 47.7 | 48.5 | 49.3 | 49.8 | 50.4 | 50.6 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| GE 20000 | 34.5 | 49.2 | 51.6 | 54.4 | 55.3 | 56.1 | 56.7 | 57.2 | 57.4 | 57.5 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 18000 | 34.5 | 49.2 | 51.6 | 54.4 | 55.3 | 56.1 | 56.7 | 57.2 | 57.4 | 57.5 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 16000 | 34.5 | 49.2 | 51.6 | 54.4 | 55.3 | 56.1 | 56.7 | 57.2 | 57.4 | 57.5 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 14000 | 35.3 | 50.7 | 53.2 | 56.1 | 57.0 | 58.0 | 58.5 | 59.1 | 59.3 | 59.4 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| GE 12000 | 35.6 | 51.4 | 54.0 | 56.9 | 57.8 | 58.7 | 59.3 | 59.8 | 60.0 | 60.2 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| GE 10000 | 36.9 | 55.0 | 57.9 | 61.0 | 62.0 | 63.1 | 63.6 | 64.2 | 64.4 | 64.5 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 9000 | 37.0 | 55.4 | 58.3 | 61.5 | 62.4 | 63.5 | 64.1 | 64.6 | 64.8 | 64.9 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 8000 | 37.6 | 56.7 | 59.7 | 63.0 | 64.2 | 65.3 | 65.8 | 66.3 | 66.6 | 66.7 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 7000 | 38.0 | 57.3 | 60.4 | 63.6 | 64.8 | 65.9 | 66.4 | 67.0 | 67.2 | 67.3 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 6000 | 38.9 | 59.0 | 62.1 | 65.5 | 66.7 | 67.8 | 68.3 | 68.8 | 69.1 | 69.2 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 5000 | 39.3 | 59.8 | 63.1 | 66.7 | 68.1 | 69.3 | 70.0 | 70.6 | 70.8 | 70.9 | 71.0 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 |
| GE 4500 | 40.0 | 61.0 | 64.5 | 68.2 | 69.6 | 70.8 | 71.6 | 72.1 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.7 | 72.9 | 72.9 |
| GE 4000 | 40.5 | 62.3 | 66.3 | 70.1 | 71.6 | 72.9 | 73.6 | 74.2 | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 |
| GE 3500 | 40.8 | 63.5 | 67.8 | 71.6 | 73.0 | 74.4 | 75.1 | 75.7 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 |
| GE 3000 | 41.7 | 66.6 | 70.8 | 74.7 | 76.3 | 77.7 | 78.5 | 79.0 | 79.3 | 79.4 | 79.6 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 |
| GE 2500 | 42.1 | 67.6 | 72.4 | 76.4 | 78.3 | 79.8 | 80.7 | 81.2 | 81.4 | 81.5 | 81.8 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 |
| GE 2000 | 42.6 | 68.4 | 73.5 | 77.5 | 79.7 | 81.2 | 82.1 | 82.7 | 83.0 | 83.1 | 83.3 | 83.4 | 83.5 | 83.5 | 83.6 | 83.6 |
| GE 1800 | 42.6 | 68.4 | 73.5 | 77.5 | 79.7 | 81.2 | 82.1 | 82.7 | 83.0 | 83.1 | 83.3 | 83.4 | 83.5 | 83.5 | 83.6 | 83.6 |
| GE 1500 | 43.1 | 68.9 | 74.2 | 78.5 | 80.8 | 82.4 | 83.3 | 84.0 | 84.3 | 84.4 | 84.6 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 |
| GE 1200 | 43.1 | 69.2 | 74.6 | 78.9 | 81.4 | 83.2 | 84.7 | 85.0 | 85.2 | 85.5 | 85.7 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 |
| GE 1000 | 43.1 | 69.7 | 75.4 | 79.8 | 82.7 | 84.6 | 85.6 | 86.5 | 86.8 | 87.0 | 87.2 | 87.3 | 87.4 | 87.4 | 87.5 | 87.5 |
| GE 900 | 43.1 | 70.1 | 75.9 | 80.3 | 83.5 | 85.5 | 86.4 | 87.4 | 87.6 | 87.8 | 88.1 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 |
| GE 800 | 43.2 | 70.8 | 76.7 | 81.1 | 84.5 | 86.5 | 87.6 | 88.7 | 88.9 | 89.1 | 89.4 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 |
| GE 700 | 43.3 | 71.3 | 77.4 | 82.3 | 85.3 | 87.6 | 88.9 | 90.0 | 90.3 | 90.6 | 90.8 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 |
| GE 600 | 43.3 | 71.6 | 77.6 | 82.3 | 86.0 | 88.5 | 90.1 | 91.5 | 91.9 | 92.1 | 92.3 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 |
| GE 500 | 43.4 | 71.8 | 78.1 | 82.7 | 86.4 | 89.0 | 91.2 | 92.9 | 93.3 | 94.0 | 94.2 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 |
| GE 400 | 43.4 | 71.8 | 78.3 | 83.2 | 87.0 | 90.0 | 92.6 | 94.5 | 94.8 | 95.8 | 96.3 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 |
| GE 300 | 43.4 | 71.8 | 78.3 | 83.2 | 87.1 | 90.1 | 92.7 | 94.8 | 95.2 | 96.5 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 |
| GE 200 | 43.4 | 71.8 | 78.3 | 83.2 | 87.1 | 90.1 | 92.8 | 95.0 | 95.4 | 96.9 | 97.5 | 97.6 | 97.8 | 97.8 | 98.0 | 98.2 |
| GE 100 | 43.4 | 71.8 | 78.3 | 83.2 | 87.1 | 90.1 | 92.8 | 95.3 | 95.7 | 97.4 | 98.0 | 98.2 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 0 | 43.4 | 71.8 | 78.3 | 83.2 | 87.1 | 90.1 | 92.8 | 95.0 | 95.7 | 97.4 | 98.2 | 98.3 | 98.8 | 98.8 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1200-1400

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|---------|
| | GE 1 | GE 1 1/2 | GE 2 | GE 2 1/2 | GE 3 | GE 3 1/2 | GE 4 | GE 4 1/2 | GE 5 | GE 5 1/2 | GE 6 | GE 6 1/2 | GE 7 | GE 7 1/2 | GE 8 | GE 8 1/2 | GE 9 |
| NO CEIL | 40.2 | 47.2 | 48.3 | 48.6 | 49.1 | 49.4 | 49.4 | 49.5 | 49.5 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| GE 20000 | 46.8 | 56.5 | 58.5 | 58.8 | 59.3 | 59.7 | 59.8 | 59.9 | 59.9 | 60.2 | 61.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 18000 | 46.8 | 56.5 | 58.5 | 58.8 | 59.3 | 59.7 | 59.8 | 59.9 | 59.9 | 60.2 | 61.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 16000 | 46.8 | 56.5 | 58.5 | 58.8 | 59.3 | 59.7 | 59.8 | 59.9 | 59.9 | 60.2 | 61.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 14000 | 47.3 | 57.3 | 59.6 | 59.9 | 60.5 | 60.9 | 61.0 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| GE 12000 | 47.4 | 57.4 | 59.7 | 60.0 | 60.6 | 61.0 | 61.1 | 61.2 | 61.2 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 10000 | 49.7 | 60.3 | 63.2 | 63.4 | 64.0 | 64.4 | 64.5 | 64.6 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| GE 9000 | 50.1 | 60.6 | 63.3 | 63.7 | 64.3 | 64.7 | 64.8 | 64.9 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 8000 | 51.0 | 62.4 | 65.4 | 65.8 | 66.6 | 67.0 | 67.1 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 7000 | 51.8 | 63.4 | 66.3 | 66.8 | 67.5 | 68.0 | 68.1 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| GE 6000 | 52.8 | 64.7 | 67.6 | 68.1 | 68.8 | 69.3 | 69.4 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 5000 | 53.6 | 66.4 | 69.4 | 69.9 | 70.8 | 71.2 | 71.3 | 71.4 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 4500 | 54.3 | 67.4 | 70.6 | 71.1 | 72.0 | 72.4 | 72.5 | 72.6 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 4000 | 55.3 | 68.9 | 72.4 | 73.0 | 73.8 | 74.3 | 74.4 | 74.5 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| GE 3500 | 55.6 | 69.9 | 73.4 | 73.9 | 75.0 | 75.5 | 75.6 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 3000 | 57.1 | 72.3 | 75.8 | 76.3 | 77.5 | 78.0 | 78.1 | 78.2 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 2500 | 58.3 | 75.0 | 78.8 | 79.6 | 80.9 | 81.4 | 81.8 | 81.9 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 2000 | 59.1 | 76.4 | 80.2 | 81.0 | 82.6 | 83.2 | 83.5 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 1800 | 59.4 | 76.9 | 80.7 | 81.4 | 83.1 | 83.6 | 83.9 | 84.0 | 84.0 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1500 | 59.6 | 77.6 | 81.4 | 82.3 | 83.9 | 84.6 | 84.9 | 85.1 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 1200 | 59.9 | 78.8 | 82.7 | 83.6 | 85.3 | 86.1 | 86.4 | 86.6 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 1000 | 60.0 | 79.8 | 84.4 | 85.5 | 87.3 | 88.2 | 88.8 | 89.0 | 89.0 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 900 | 60.0 | 79.9 | 84.5 | 85.6 | 87.4 | 88.3 | 88.9 | 89.1 | 89.1 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 800 | 60.0 | 80.1 | 84.9 | 86.0 | 88.3 | 89.4 | 90.1 | 90.4 | 90.4 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 700 | 60.2 | 80.2 | 85.1 | 86.2 | 88.6 | 89.6 | 90.0 | 91.0 | 91.3 | 91.3 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 600 | 60.2 | 80.2 | 85.3 | 86.4 | 89.0 | 90.9 | 92.0 | 92.4 | 92.4 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 500 | 60.2 | 80.2 | 85.6 | 86.9 | 90.1 | 92.3 | 93.8 | 94.8 | 94.8 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 400 | 60.2 | 80.2 | 85.6 | 86.9 | 90.6 | 93.4 | 95.1 | 96.7 | 96.7 | 98.0 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 300 | 60.2 | 80.2 | 85.6 | 86.9 | 90.6 | 93.5 | 95.7 | 97.3 | 97.3 | 98.7 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 60.2 | 80.2 | 85.6 | 86.9 | 90.6 | 93.5 | 95.7 | 97.3 | 97.3 | 98.7 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 60.2 | 80.2 | 85.6 | 86.9 | 90.6 | 93.5 | 95.7 | 97.3 | 97.3 | 98.7 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 0 | 60.2 | 80.2 | 85.6 | 86.9 | 90.6 | 93.5 | 95.7 | 97.3 | 97.3 | 98.7 | 99.6 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|-----------|-----------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|-------------|-------------|---------|
| | GE 1 | GE 1/2 | GE 3/4 | GE 1 | GE 1 1/4 | GE 1 1/2 | GE 1 3/4 | GE 2 | GE 2 1/4 | GE 2 1/2 | GE 2 3/4 | GE 3 | GE 3 1/4 | GE 3 1/2 | GE 3 3/4 | GE 4 |
| NO CEIL | 41.1 | 48.9 | 49.2 | 49.6 | 49.8 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| GE 2000 | 48.0 | 57.0 | 57.7 | 58.4 | 58.6 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 1800 | 48.0 | 57.0 | 57.7 | 58.4 | 58.6 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 1600 | 48.0 | 57.0 | 57.7 | 58.4 | 58.6 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 1400 | 49.2 | 58.8 | 59.5 | 60.2 | 60.5 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| GE 1200 | 49.6 | 59.3 | 60.0 | 60.7 | 60.9 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| GE 1000 | 52.5 | 63.4 | 64.7 | 65.4 | 65.8 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 900 | 52.5 | 63.4 | 64.7 | 65.4 | 65.8 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 800 | 53.0 | 64.6 | 66.2 | 66.9 | 67.4 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 700 | 53.8 | 65.9 | 67.4 | 68.2 | 68.7 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| GE 600 | 54.7 | 67.7 | 69.2 | 70.0 | 70.7 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 500 | 56.0 | 69.4 | 70.9 | 71.8 | 72.6 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 450 | 56.2 | 69.9 | 71.3 | 72.3 | 73.0 | 73.6 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 400 | 57.0 | 71.5 | 73.0 | 74.0 | 75.0 | 75.6 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 350 | 58.2 | 73.6 | 75.3 | 76.4 | 77.4 | 78.0 | 78.2 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 300 | 58.5 | 75.6 | 77.3 | 78.5 | 79.6 | 80.3 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 250 | 59.0 | 76.4 | 78.7 | 80.4 | 81.6 | 82.5 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 200 | 59.5 | 77.8 | 80.5 | 82.2 | 83.7 | 84.6 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 180 | 59.6 | 78.0 | 80.8 | 82.5 | 83.9 | 84.9 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 150 | 60.1 | 79.6 | 82.7 | 84.4 | 85.9 | 86.9 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 120 | 60.3 | 79.8 | 83.2 | 84.9 | 86.5 | 87.5 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 100 | 60.6 | 80.4 | 83.9 | 85.7 | 87.4 | 88.6 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 90 | 60.6 | 80.5 | 84.0 | 85.9 | 87.7 | 88.9 | 89.6 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 80 | 60.6 | 80.7 | 84.2 | 86.0 | 87.9 | 89.1 | 90.1 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 70 | 60.6 | 80.8 | 84.5 | 86.6 | 88.6 | 90.2 | 91.4 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 60 | 60.6 | 80.8 | 84.5 | 86.9 | 89.1 | 90.8 | 92.4 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 50 | 60.6 | 80.9 | 84.8 | 87.2 | 89.7 | 91.7 | 93.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 40 | 60.6 | 81.0 | 84.9 | 87.3 | 90.0 | 92.6 | 95.3 | 96.6 | 96.7 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 30 | 60.6 | 81.0 | 84.9 | 87.3 | 90.2 | 93.0 | 95.9 | 97.5 | 97.9 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 20 | 60.6 | 81.0 | 84.9 | 87.3 | 90.2 | 93.0 | 95.9 | 97.5 | 97.9 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 10 | 60.6 | 81.0 | 84.9 | 87.3 | 90.2 | 93.0 | 95.9 | 97.5 | 97.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 0 | 60.6 | 81.0 | 84.9 | 87.3 | 90.2 | 93.0 | 95.9 | 97.5 | 97.9 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 827

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82,86

MONTH: DEC

HOURS (LST): 1800-2000

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|
| | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 | GE 1 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 7/16 | GE 1/4 | GE 0 |
| NO CEIL | 34.1 | 50.6 | 51.3 | 51.7 | 51.9 | 52.0 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| GE 20000 | 38.4 | 57.1 | 57.7 | 58.3 | 59.0 | 59.1 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 18000 | 38.4 | 57.1 | 57.7 | 58.3 | 59.0 | 59.1 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 16000 | 38.4 | 57.1 | 57.7 | 58.3 | 59.0 | 59.1 | 59.3 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| GE 14000 | 39.3 | 58.5 | 59.1 | 59.7 | 60.4 | 60.5 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| GE 12000 | 39.5 | 59.3 | 59.9 | 60.5 | 61.2 | 61.3 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| GE 10000 | 41.0 | 62.7 | 63.7 | 64.5 | 65.1 | 65.3 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| GE 9000 | 41.0 | 62.9 | 63.8 | 64.6 | 65.3 | 65.4 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 8000 | 41.5 | 66.0 | 67.5 | 68.2 | 68.9 | 69.0 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 7000 | 42.0 | 67.5 | 68.9 | 69.8 | 70.4 | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 6000 | 42.0 | 67.6 | 69.0 | 70.0 | 70.9 | 71.1 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 5000 | 43.1 | 69.2 | 70.6 | 71.5 | 73.1 | 73.3 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| GE 4500 | 43.1 | 70.0 | 71.4 | 72.3 | 73.9 | 74.1 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 4000 | 43.2 | 72.0 | 73.4 | 74.5 | 76.1 | 76.4 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 3500 | 43.9 | 74.5 | 75.9 | 77.5 | 79.4 | 79.7 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 3000 | 44.2 | 76.1 | 77.5 | 79.2 | 81.8 | 82.1 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 2500 | 44.2 | 77.7 | 79.2 | 81.4 | 84.1 | 84.6 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 2000 | 44.5 | 78.8 | 81.0 | 83.2 | 85.8 | 86.5 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 1800 | 44.7 | 78.9 | 81.1 | 83.3 | 86.0 | 86.6 | 86.9 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 1500 | 44.7 | 79.2 | 81.8 | 84.1 | 86.8 | 87.4 | 87.9 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 1200 | 44.7 | 79.7 | 82.2 | 84.6 | 87.4 | 88.1 | 88.5 | 89.0 | 89.0 | 89.0 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 1000 | 44.7 | 79.9 | 82.4 | 84.7 | 87.9 | 88.5 | 89.0 | 89.6 | 89.6 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 900 | 44.7 | 79.9 | 82.4 | 84.7 | 88.2 | 88.8 | 89.3 | 89.9 | 89.9 | 89.9 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 800 | 44.7 | 80.3 | 82.9 | 85.4 | 88.8 | 89.5 | 90.1 | 90.7 | 90.7 | 90.7 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 700 | 44.7 | 80.7 | 83.2 | 86.2 | 89.8 | 90.4 | 91.0 | 91.7 | 91.7 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 600 | 44.7 | 81.1 | 83.8 | 86.9 | 90.7 | 91.5 | 92.3 | 93.2 | 93.2 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 500 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 93.7 | 95.1 | 95.1 | 95.9 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 400 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 94.0 | 95.4 | 95.4 | 96.5 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 300 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 94.0 | 95.4 | 95.4 | 96.7 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 200 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 94.0 | 95.6 | 95.8 | 97.0 | 98.3 | 98.3 | 98.3 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 100 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 94.0 | 95.6 | 95.8 | 97.3 | 98.6 | 98.6 | 98.6 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 0 | 44.7 | 81.3 | 84.1 | 87.4 | 91.5 | 92.5 | 94.0 | 95.6 | 95.8 | 97.3 | 98.6 | 98.6 | 98.6 | 99.4 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-82-86
MONTH: DEC HOURS(LST): 2100-2300

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | | |
|------------|------|-----------------------------|---------|---------|---------|---------|----------|---------|-------------|-------------|---------|-----------|-----------|-----------|------------|-----------|---------|--|
| IN FEET | 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 | GE 0 | |
| NO CEIL | 1 | 31.3 | 51.2 | 52.1 | 52.8 | 53.3 | 53.3 | 53.7 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | |
| GE 20000 | 33.9 | 55.8 | 56.8 | 57.7 | 58.2 | 58.2 | 58.6 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | |
| GE 18000 | 33.9 | 55.8 | 56.8 | 57.7 | 58.2 | 58.2 | 58.6 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | |
| GE 16000 | 33.9 | 55.8 | 56.8 | 57.7 | 58.2 | 58.2 | 58.6 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | |
| GE 14000 | 34.6 | 56.5 | 57.5 | 58.4 | 58.9 | 58.9 | 59.3 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | |
| GE 12000 | 34.8 | 57.2 | 58.2 | 59.1 | 59.6 | 59.6 | 60.0 | 60.5 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | |
| GE 10000 | 37.9 | 62.6 | 63.6 | 64.5 | 65.0 | 65.0 | 65.4 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | |
| GE 9000 | 37.9 | 62.6 | 63.6 | 64.5 | 65.0 | 65.0 | 65.4 | 65.9 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | |
| GE 8000 | 38.3 | 65.0 | 66.4 | 67.3 | 67.8 | 67.8 | 68.2 | 68.7 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | |
| GE 7000 | 38.3 | 65.7 | 67.1 | 68.2 | 68.7 | 68.7 | 69.2 | 69.6 | 69.6 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | |
| GE 6000 | 38.3 | 66.4 | 67.8 | 68.9 | 69.4 | 69.4 | 69.9 | 70.3 | 70.3 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | |
| GE 5000 | 39.7 | 68.5 | 69.9 | 71.0 | 71.7 | 71.7 | 72.2 | 72.7 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | |
| GE 4500 | 39.7 | 69.9 | 71.7 | 72.9 | 73.6 | 73.6 | 74.1 | 74.5 | 74.5 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | |
| GE 4000 | 39.7 | 72.2 | 74.1 | 75.2 | 76.2 | 76.2 | 76.6 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | |
| GE 3500 | 42.4 | 75.2 | 77.1 | 78.5 | 79.4 | 79.4 | 79.9 | 80.4 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | |
| GE 3000 | 40.7 | 77.1 | 79.2 | 80.6 | 82.0 | 82.0 | 82.5 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | |
| GE 2500 | 40.7 | 77.8 | 79.9 | 81.8 | 83.2 | 83.2 | 83.6 | 84.3 | 84.3 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | |
| GE 2000 | 41.1 | 78.5 | 80.8 | 82.7 | 84.3 | 84.3 | 84.8 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | |
| GE 1800 | 41.1 | 78.7 | 81.1 | 82.9 | 84.6 | 84.6 | 85.0 | 85.7 | 85.7 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | |
| GE 1500 | 41.1 | 76.7 | 81.1 | 83.2 | 84.8 | 84.8 | 85.3 | 86.2 | 86.2 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | |
| GE 1200 | 41.1 | 79.4 | 81.8 | 83.9 | 85.7 | 85.7 | 86.2 | 87.1 | 87.1 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | |
| GE 1000 | 41.6 | 80.1 | 82.7 | 84.8 | 86.7 | 86.7 | 87.4 | 88.3 | 88.3 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | |
| GE 900 | 41.6 | 80.1 | 82.9 | 85.0 | 86.9 | 86.9 | 87.6 | 88.8 | 88.8 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | |
| GE 800 | 41.6 | 80.1 | 82.9 | 85.3 | 88.1 | 88.1 | 88.8 | 90.0 | 90.0 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | |
| GE 700 | 41.6 | 80.4 | 83.6 | 86.4 | 89.3 | 89.3 | 90.2 | 91.4 | 91.4 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | |
| GE 600 | 41.6 | 80.4 | 83.6 | 86.7 | 89.7 | 89.7 | 90.0 | 90.7 | 91.8 | 91.8 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | |
| GE 500 | 41.6 | 80.6 | 83.9 | 87.1 | 90.7 | 90.7 | 91.6 | 92.8 | 92.8 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | |
| GE 400 | 41.6 | 80.6 | 84.1 | 88.1 | 91.8 | 91.8 | 92.1 | 93.0 | 94.4 | 94.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | |
| GE 300 | 41.6 | 80.6 | 84.1 | 88.1 | 91.8 | 91.8 | 92.3 | 93.5 | 95.1 | 95.1 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | |
| GE 200 | 41.6 | 80.6 | 84.1 | 88.1 | 91.8 | 91.8 | 92.3 | 93.7 | 95.3 | 95.3 | 97.7 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | |
| GE 100 | 41.6 | 80.6 | 84.1 | 88.1 | 91.8 | 91.8 | 92.3 | 93.7 | 95.3 | 95.3 | 97.7 | 98.6 | 98.6 | 99.3 | 99.3 | 99.5 | 99.5 | |
| GE 0 | 41.6 | 80.6 | 84.1 | 88.1 | 91.8 | 91.8 | 92.3 | 93.7 | 95.3 | 95.3 | 97.7 | 98.6 | 98.6 | 99.3 | 99.3 | 99.5 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 428

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

| CEILING | | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|------|-----------------------------|------|------|------|-------|------|-------|-------|------|------|------|------|------|------|-------|----|
| IN FEET | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| 10 | 6 | 5 | 4 | 3 | 2 | 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 5/16 | 1/4 | 0 | |
| NO CEIL | 34.2 | 46.5 | 47.6 | 48.7 | 49.5 | 49.9 | 50.1 | 50.5 | 50.6 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9 | 51.0 | |
| GE 20000 | 38.8 | 53.3 | 54.8 | 56.1 | 57.0 | 57.5 | 57.8 | 58.3 | 58.3 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.7 | 58.8 | |
| GE 18000 | 38.8 | 53.3 | 54.8 | 56.1 | 57.0 | 57.5 | 57.8 | 58.3 | 58.3 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.7 | 58.8 | |
| GE 16000 | 38.8 | 53.3 | 54.8 | 56.1 | 57.0 | 57.5 | 57.8 | 58.3 | 58.3 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.7 | 58.8 | |
| GE 14000 | 39.5 | 54.5 | 56.1 | 57.4 | 58.3 | 58.9 | 59.2 | 59.7 | 59.8 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | |
| GE 12000 | 39.8 | 55.0 | 56.6 | 58.0 | 58.9 | 59.4 | 59.8 | 60.2 | 60.3 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.7 | 60.8 | |
| GE 10000 | 41.7 | 58.7 | 60.7 | 62.2 | 63.2 | 63.7 | 64.1 | 64.6 | 64.6 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.0 | 65.1 | |
| GE 9000 | 41.8 | 58.8 | 60.9 | 62.4 | 63.4 | 63.9 | 64.3 | 64.8 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.2 | 65.3 | |
| GE 8000 | 42.6 | 60.8 | 63.1 | 64.7 | 65.8 | 66.4 | 66.8 | 67.3 | 67.3 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.8 | 67.9 | |
| GE 7000 | 43.1 | 61.8 | 64.1 | 65.7 | 66.9 | 67.5 | 67.8 | 68.3 | 68.4 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.9 | |
| GE 6000 | 43.7 | 62.9 | 65.2 | 66.9 | 68.1 | 68.7 | 69.1 | 69.6 | 69.7 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.2 | |
| GE 5000 | 44.6 | 64.4 | 66.8 | 68.6 | 70.1 | 70.7 | 71.2 | 71.7 | 71.7 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.2 | 72.3 | |
| GE 4500 | 44.9 | 65.3 | 67.8 | 69.7 | 71.2 | 71.8 | 72.2 | 72.7 | 72.8 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.3 | 73.4 | |
| GE 4000 | 45.4 | 67.0 | 69.8 | 71.7 | 73.3 | 74.0 | 74.5 | 75.0 | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.6 | 75.7 | |
| GE 3500 | 45.9 | 68.6 | 71.5 | 73.6 | 75.2 | 75.9 | 76.4 | 77.0 | 77.1 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.6 | 77.7 | |
| GE 3000 | 46.6 | 70.8 | 73.7 | 75.9 | 77.7 | 78.5 | 79.0 | 79.6 | 79.7 | 79.9 | 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.3 | |
| GE 2500 | 47.1 | 72.4 | 75.7 | 78.1 | 80.1 | 81.0 | 81.6 | 82.2 | 82.3 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 | |
| GE 2000 | 47.6 | 73.4 | 77.0 | 79.5 | 81.7 | 82.7 | 83.3 | 84.0 | 84.0 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 | 84.7 | |
| GE 1800 | 47.7 | 73.6 | 77.2 | 79.7 | 81.9 | 82.9 | 83.5 | 84.2 | 84.3 | 84.5 | 84.6 | 84.6 | 84.7 | 84.7 | 84.8 | 84.9 | |
| GE 1500 | 48.0 | 74.4 | 78.1 | 80.8 | 83.1 | 84.1 | 84.8 | 85.5 | 85.6 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.1 | 86.2 | |
| GE 1200 | 48.1 | 74.9 | 78.8 | 81.4 | 83.9 | 84.9 | 85.7 | 86.5 | 86.5 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.2 | 87.3 | |
| GE 1000 | 48.2 | 75.5 | 79.6 | 82.4 | 85.1 | 86.3 | 87.1 | 88.0 | 88.0 | 88.4 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.8 | |
| GE 900 | 48.2 | 75.6 | 79.8 | 82.6 | 85.4 | 86.6 | 87.5 | 88.4 | 88.4 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.2 | 89.2 | |
| GE 800 | 48.3 | 75.9 | 80.2 | 83.1 | 86.2 | 87.4 | 88.5 | 89.4 | 89.5 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.3 | 90.4 | |
| GE 700 | 48.3 | 76.2 | 80.7 | 83.7 | 86.9 | 88.4 | 89.6 | 90.5 | 90.6 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.4 | 91.5 | |
| GE 600 | 48.4 | 76.4 | 80.9 | 84.1 | 87.5 | 89.2 | 90.6 | 91.7 | 91.8 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 | 92.7 | 92.8 | |
| GE 500 | 48.4 | 76.5 | 81.2 | 84.5 | 88.2 | 90.1 | 92.1 | 93.7 | 93.8 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.2 | 95.3 | |
| GE 400 | 48.4 | 76.5 | 81.3 | 84.7 | 88.6 | 90.8 | 93.2 | 95.0 | 95.1 | 96.4 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | |
| GE 300 | 48.4 | 76.5 | 81.3 | 84.7 | 88.7 | 91.0 | 93.5 | 95.5 | 95.7 | 97.2 | 97.8 | 97.9 | 98.0 | 98.1 | 98.3 | 98.4 | |
| GE 200 | 48.4 | 76.5 | 81.3 | 84.7 | 88.7 | 91.0 | 93.6 | 95.6 | 95.9 | 97.5 | 98.2 | 98.2 | 98.5 | 98.6 | 98.9 | 99.0 | |
| GE 100 | 48.4 | 76.5 | 81.3 | 84.7 | 88.7 | 91.0 | 93.6 | 95.6 | 95.9 | 97.7 | 98.4 | 98.4 | 98.8 | 98.8 | 99.2 | 99.4 | |
| GE | 48.4 | 76.5 | 81.3 | 84.7 | 88.7 | 91.0 | 93.6 | 95.6 | 95.9 | 97.7 | 98.4 | 98.4 | 98.8 | 98.9 | 99.3 | 100.0 | |

TOTAL NUMBER OF OBSERVATIONS: 4251

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(IST): ALL

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------|-----------------------------|-------|------|------|------|------|----------|------|----------|----------|------|--------|--------|--------|---------|--------|
| IN FEET | GE 1 | GE 10 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 5/16 | GE 1/4 |
| NO CEIL | 28.7 | 42.1 | 45.6 | 48.2 | 50.7 | 51.7 | 52.4 | 52.7 | 52.7 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.1 | 53.1 |
| GE 20000 | 32.5 | 48.6 | 52.9 | 56.0 | 59.0 | 60.1 | 60.9 | 61.3 | 61.3 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.8 |
| GE 18000 | 32.5 | 48.6 | 52.9 | 56.0 | 59.0 | 60.1 | 60.9 | 61.3 | 61.3 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.8 |
| GE 16000 | 32.5 | 48.6 | 53.0 | 56.0 | 59.0 | 60.2 | 61.0 | 61.3 | 61.3 | 61.5 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 |
| GE 14000 | 33.0 | 49.7 | 54.1 | 57.3 | 60.3 | 61.5 | 62.3 | 62.7 | 62.7 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 | 63.2 |
| GE 12000 | 33.4 | 50.5 | 55.1 | 58.3 | 61.3 | 62.6 | 63.4 | 63.8 | 63.8 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1 | 64.2 | 64.2 |
| GE 10000 | 35.1 | 54.1 | 59.2 | 62.8 | 66.1 | 67.4 | 68.3 | 68.7 | 68.7 | 68.9 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.2 |
| GE 9000 | 35.2 | 54.2 | 59.3 | 62.9 | 66.2 | 67.5 | 68.4 | 68.8 | 68.8 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.2 | 69.3 |
| GE 8000 | 35.9 | 56.0 | 61.3 | 65.1 | 68.5 | 69.8 | 70.7 | 71.2 | 71.2 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.6 | 71.6 |
| GE 7000 | 36.2 | 56.6 | 61.9 | 65.7 | 69.1 | 70.5 | 71.4 | 71.8 | 71.9 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.3 | 72.3 |
| GE 6000 | 36.7 | 57.6 | 63.0 | 66.9 | 70.4 | 71.8 | 72.7 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.6 | 73.6 |
| GE 5000 | 37.4 | 59.1 | 64.8 | 68.7 | 72.4 | 73.9 | 74.8 | 75.3 | 75.3 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.8 |
| GE 4500 | 37.6 | 59.6 | 65.3 | 69.3 | 73.1 | 74.5 | 75.5 | 75.9 | 75.9 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 |
| GE 4000 | 38.2 | 61.1 | 67.0 | 71.2 | 75.0 | 76.5 | 77.5 | 78.0 | 78.0 | 78.2 | 78.3 | 78.3 | 78.3 | 78.4 | 78.5 | 78.5 |
| GE 3500 | 38.7 | 62.1 | 68.2 | 72.4 | 76.3 | 77.9 | 79.0 | 79.4 | 79.4 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 |
| GE 3000 | 39.3 | 63.7 | 70.1 | 74.5 | 78.7 | 80.4 | 81.5 | 81.9 | 82.0 | 82.2 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.5 |
| GE 2500 | 39.9 | 65.1 | 71.7 | 76.3 | 80.7 | 82.4 | 83.6 | 84.1 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.5 | 84.6 | 84.6 |
| GE 2000 | 40.4 | 66.3 | 73.2 | 77.9 | 82.5 | 84.3 | 85.5 | 86.0 | 86.0 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.6 |
| GE 1800 | 40.5 | 66.6 | 73.5 | 78.3 | 82.9 | 84.7 | 85.9 | 86.4 | 86.5 | 86.7 | 86.8 | 86.8 | 86.9 | 86.9 | 87.0 | 87.1 |
| GE 1500 | 40.8 | 67.7 | 74.8 | 79.9 | 84.6 | 86.6 | 87.9 | 88.4 | 88.5 | 88.7 | 88.8 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 |
| GE 1200 | 40.9 | 68.2 | 75.5 | 80.7 | 85.6 | 87.7 | 89.0 | 89.6 | 89.6 | 89.9 | 90.0 | 90.0 | 90.0 | 90.1 | 90.2 | 90.2 |
| GE 1000 | 41.1 | 68.8 | 76.3 | 81.6 | 86.7 | 88.9 | 90.4 | 91.0 | 91.0 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.7 |
| GE 900 | 41.1 | 68.9 | 76.4 | 81.9 | 87.1 | 89.3 | 90.7 | 91.4 | 91.5 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 |
| GE 800 | 41.1 | 69.1 | 76.8 | 82.3 | 87.7 | 90.0 | 91.6 | 92.3 | 92.3 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 |
| GE 700 | 41.1 | 69.3 | 77.1 | 82.7 | 88.2 | 90.6 | 92.3 | 93.1 | 93.1 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.8 | 93.8 |
| GE 600 | 41.1 | 69.4 | 77.3 | 83.0 | 88.7 | 91.3 | 93.1 | 94.0 | 94.0 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 | 94.7 | 94.8 |
| GE 500 | 41.2 | 69.6 | 77.6 | 83.5 | 89.4 | 92.3 | 94.5 | 95.7 | 95.8 | 96.4 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 |
| GE 400 | 41.2 | 69.6 | 77.7 | 83.6 | 89.7 | 92.7 | 95.1 | 96.5 | 96.6 | 97.5 | 97.7 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 |
| GE 300 | 41.2 | 69.6 | 77.7 | 83.6 | 89.8 | 92.8 | 95.3 | 96.9 | 97.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.7 | 98.8 | 98.9 |
| GE 200 | 41.2 | 69.6 | 77.7 | 83.6 | 89.8 | 92.9 | 95.4 | 97.0 | 97.1 | 98.3 | 98.7 | 98.7 | 99.0 | 99.1 | 99.3 | 99.4 |
| GE 100 | 41.2 | 69.6 | 77.7 | 83.6 | 89.8 | 92.9 | 95.4 | 97.0 | 97.2 | 98.4 | 98.8 | 98.8 | 99.1 | 99.2 | 99.5 | 99.6 |
| GE 0 | 41.2 | 69.6 | 77.7 | 83.6 | 89.8 | 92.9 | 95.4 | 97.0 | 97.2 | 98.4 | 98.8 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS: 51069

AD-A190 725

ELIZABETH CITY NORTH CAROLINA LIMITED SURFACE

3/3

OBSERVATIONS CLIMATIC SUMMER (U) AIR FORCE

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

SCOTT 9..

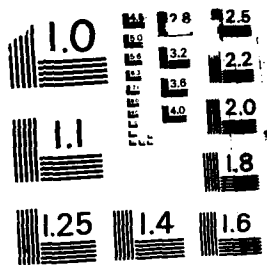
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | 32.2 | | | 11.0 | | | | | 12.3 | 44.5 | 5.9 | |
| 09-11 | 29.1 | | | 13.6 | | | | | 9.6 | 47.6 | 6.0 | |
| 12-14 | 25.1 | | | 15.8 | | | | | 13.5 | 45.5 | 6.2 | |
| 15-17 | 28.3 | | | 14.1 | | | | | 11.7 | 45.8 | 6.1 | |
| 18-20 | 37.1 | | | 9.6 | | | | | 10.1 | 43.2 | 5.5 | |
| 21-23 | 43.4 | | | 7.7 | | | | | 8.2 | 40.6 | 5.0 | |
| TOTALS | 32.5 | | | 12.0 | | | | | 10.9 | 44.5 | 5.8 | |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | 27.1 | | | 11.8 | | | | | 11.6 | 49.4 | 6.3 | |
| 09-11 | 24.3 | | | 13.8 | | | | | 13.3 | 48.6 | 6.5 | |
| 12-14 | 18.6 | | | 16.1 | | | | | 16.1 | 49.1 | 6.6 | |
| 15-17 | 18.8 | | | 16.5 | | | | | 15.5 | 49.2 | 6.6 | |
| 18-20 | 27.0 | | | 17.8 | | | | | 11.8 | 43.4 | 5.9 | |
| 21-23 | 34.2 | | | 12.0 | | | | | 11.8 | 42.0 | 5.6 | |
| TOTALS | 25.0 | | | 14.7 | | | | | 13.4 | 47.0 | 6.3 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|-------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 29.8 | | | 14.5 | | | | | 11.8 | 43.9 | 5.9 | | 5 |
| 09-11 | 27.2 | | | 16.5 | | | | | 12.4 | 43.9 | 6.0 | | 5 |
| 12-14 | 22.6 | | | 18.9 | | | | | 16.7 | 41.8 | 6.3 | | 5 |
| 15-17 | 24.2 | | | 17.2 | | | | | 18.1 | 40.5 | 6.2 | | 8 |
| 18-20 | 31.5 | | | 19.0 | | | | | 15.2 | 34.3 | 5.4 | | 7 |
| 21-23 | 48.7 | | | 10.5 | | | | | 8.5 | 32.4 | 4.3 | | 4 |
| TOTALS | 30.7 | | | 16.1 | | | | | 13.8 | 39.5 | 5.7 | | 44 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|-------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 33.4 | | | 16.6 | | | | | 13.2 | 36.8 | 5.4 | | 5 |
| 09-11 | 29.4 | | | 18.7 | | | | | 14.0 | 37.9 | 5.6 | | 8 |
| 12-14 | 20.2 | | | 22.0 | | | | | 16.2 | 41.6 | 6.3 | | 8 |
| 15-17 | 19.4 | | | 16.6 | | | | | 21.7 | 42.3 | 6.7 | | 8 |
| 18-20 | 22.9 | | | 23.8 | | | | | 16.5 | 36.8 | 5.9 | | 7 |
| 21-23 | 42.1 | | | 16.0 | | | | | 12.9 | 29.0 | 4.5 | | 4 |
| TOTALS | 27.9 | | | 19.0 | | | | | 15.8 | 37.4 | 5.7 | | 43 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | 26.5 | | | 14.1 | | | | | 16.1 | 43.3 | 6.2 | 84 |
| 09-11 | 23.7 | | | 17.8 | | | | | 19.7 | 38.8 | 6.2 | 92 |
| 12-14 | 14.0 | | | 23.7 | | | | | 24.7 | 37.5 | 6.7 | 92 |
| 15-17 | 14.1 | | | 21.2 | | | | | 26.6 | 38.1 | 6.0 | 78 |
| 18-20 | 21.7 | | | 19.8 | | | | | 21.0 | 37.6 | 6.2 | 72 |
| 21-23 | 36.7 | | | 15.7 | | | | | 16.1 | 31.5 | 5.1 | 24 |
| TOTALS | 22.8 | | | 18.7 | | | | | 20.7 | 37.8 | 6.2 | 446 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN |
| 00-02 | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | |
| 06-08 | 25.6 | | | 19.7 | | | | | 20.6 | 74.1 | 5.9 | 78 |
| 09-11 | 19.4 | | | 26.2 | | | | | 23.1 | 31.3 | 6.0 | 89 |
| 12-14 | 11.4 | | | 29.9 | | | | | 30.0 | 28.7 | 6.5 | 89 |
| 15-17 | 13.1 | | | 31.5 | | | | | 27.9 | 27.6 | 6.2 | 68 |
| 18-20 | 19.3 | | | 26.1 | | | | | 21.5 | 33.1 | 6.0 | 58 |
| 21-23 | 35.9 | | | 24.1 | | | | | 11.3 | 28.7 | 4.6 | 19 |
| TOTALS | 20.8 | | | 26.3 | | | | | 22.4 | 30.6 | 5.9 | 404 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 74-87
MONTH: JUL

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 23.5 | | | 19.1 | | | | | | 20.9 | 36.5 | 6.1 | 800 |
| 09-11 | 17.2 | | | 24.2 | | | | | | 27.1 | 31.5 | 6.3 | 913 |
| 12-14 | 7.7 | | | 32.7 | | | | | | 32.0 | 27.6 | 6.6 | 917 |
| 15-17 | 9.3 | | | 36.6 | | | | | | 27.1 | 27.0 | 6.2 | 719 |
| 18-20 | 18.9 | | | 22.6 | | | | | | 28.2 | 30.3 | 6.2 | 610 |
| 21-23 | 33.2 | | | 18.5 | | | | | | 20.9 | 27.5 | 5.2 | 211 |
| TOTALS | 18.3 | | | 25.6 | | | | | | 26.0 | 30.1 | 6.1 | 4170 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 74-87
MONTH: AUG

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 24.7 | | | 20.3 | | | | | | 21.8 | 33.2 | 5.9 | 765 |
| 09-11 | 16.8 | | | 25.2 | | | | | | 28.8 | 29.2 | 6.3 | 877 |
| 12-14 | 8.6 | | | 31.6 | | | | | | 33.6 | 26.2 | 6.6 | 886 |
| 15-17 | 9.4 | | | 29.0 | | | | | | 33.2 | 28.4 | 6.7 | 704 |
| 18-20 | 17.2 | | | 24.1 | | | | | | 29.7 | 29.0 | 6.3 | 606 |
| 21-23 | 32.4 | | | 24.0 | | | | | | 22.5 | 21.1 | 4.9 | 204 |
| TOTALS | 18.2 | | | 25.7 | | | | | | 28.3 | 27.9 | 6.1 | 4042 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 26.5 | | | 21.0 | | | | | 16.7 | 35.8 | 5.7 | 777 | |
| 09-11 | 24.2 | | | 22.1 | | | | | 23.9 | 29.8 | 5.8 | 883 | |
| 12-14 | 14.3 | | | 30.9 | | | | | 25.5 | 29.2 | 6.1 | 893 | |
| 15-17 | 15.6 | | | 29.9 | | | | | 21.2 | 33.3 | 6.1 | 699 | |
| 18-20 | 25.9 | | | 24.4 | | | | | 19.4 | 30.4 | 5.5 | 599 | |
| 21-23 | 38.0 | | | 20.5 | | | | | 13.5 | 28.0 | 4.6 | 200 | |
| TOTALS | 24.1 | | | 24.8 | | | | | 20.0 | 31.1 | 5.6 | 4051 | |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | TOTAL OBS |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 29.4 | | | 17.4 | | | | | 14.2 | 39.1 | 5.7 | 755 | |
| 09-11 | 26.9 | | | 18.7 | | | | | 17.5 | 37.0 | 5.6 | 922 | |
| 12-14 | 18.4 | | | 23.4 | | | | | 21.5 | 36.7 | 6.3 | 929 | |
| 15-17 | 22.5 | | | 25.3 | | | | | 17.3 | 34.9 | 5.8 | 742 | |
| 18-20 | 41.9 | | | 19.2 | | | | | 9.2 | 29.8 | 4.4 | 642 | |
| 21-23 | 50.4 | | | 15.3 | | | | | 5.4 | 28.9 | 3.8 | 242 | |
| TOTALS | 31.6 | | | 19.9 | | | | | 14.2 | 34.4 | 5.3 | 4232 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | TOTAL OBS |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 26.7 | | | 14.5 | | | | | 14.9 | 44.0 | 6.2 | | 505 |
| 09-11 | 26.1 | | | 15.5 | | | | | 16.8 | 41.7 | 6.1 | | 893 |
| 12-14 | 21.0 | | | 18.3 | | | | | 18.2 | 42.4 | 6.4 | | 900 |
| 15-17 | 21.3 | | | 20.2 | | | | | 17.5 | 41.0 | 6.3 | | 807 |
| 18-20 | 33.9 | | | 16.8 | | | | | 12.5 | 36.8 | 5.3 | | 625 |
| 21-23 | 37.3 | | | 13.0 | | | | | 11.1 | 38.6 | 5.2 | | 415 |
| TOTALS | 27.7 | | | 16.4 | | | | | 15.2 | 40.8 | 5.9 | | 4145 |

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC

| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | | | TOTAL OBS |
|---|------|---|---|------|---|---|---|---|------|------|-----|------|--------------|
| HOURS (LST) | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN | |
| 00-02 | | | | | | | | | | | | | |
| 03-05 | | | | | | | | | | | | | |
| 06-08 | 27.2 | | | 15.3 | | | | | 14.3 | 43.3 | 6.1 | | 504 |
| 09-11 | 27.4 | | | 13.5 | | | | | 14.5 | 44.6 | 6.2 | | 911 |
| 12-14 | 22.9 | | | 15.9 | | | | | 18.2 | 42.9 | 6.4 | | 916 |
| 15-17 | 25.9 | | | 16.1 | | | | | 15.3 | 42.7 | 6.1 | | 826 |
| 18-20 | 36.1 | | | 12.4 | | | | | 8.5 | 43.0 | 5.4 | | 635 |
| 21-23 | 39.8 | | | 10.5 | | | | | 10.8 | 38.9 | 5.2 | | 427 |
| TOTALS | 27.9 | | | 14.0 | | | | | 13.6 | 42.6 | 5.9 | | 4219 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL

| | | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN | TOTAL OBS |
|----------------|-----|---|---|---|------|---|---|---|---|---|------|------|------|--------------|
| HOURS (LST) | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 32.5 | | | 12.0 | | | | | | 10.9 | 44.5 | 5.6 | 4257 |
| FEB | | 25.0 | | | 14.7 | | | | | | 13.4 | 47.0 | 6.3 | 4064 |
| MAR | | 30.7 | | | 16.1 | | | | | | 13.8 | 39.5 | 5.7 | 4484 |
| APR | | 27.9 | | | 19.0 | | | | | | 15.8 | 37.4 | 5.7 | 4315 |
| MAY | | 22.8 | | | 18.7 | | | | | | 20.7 | 37.8 | 6.2 | 4460 |
| JUN | | 20.8 | | | 26.3 | | | | | | 22.4 | 30.6 | 5.9 | 4047 |
| JUL | | 18.3 | | | 25.6 | | | | | | 26.0 | 30.1 | 6.1 | 4170 |
| AUG | | 18.2 | | | 25.7 | | | | | | 28.3 | 27.9 | 6.1 | 4042 |
| SEP | | 24.1 | | | 24.8 | | | | | | 20.0 | 31.1 | 5.6 | 4051 |
| OCT | | 31.6 | | | 19.9 | | | | | | 14.2 | 34.4 | 5.3 | 4232 |
| NOV | | 27.7 | | | 16.4 | | | | | | 15.2 | 40.8 | 5.9 | 4145 |
| DEC | | 29.9 | | | 14.0 | | | | | | 13.6 | 42.6 | 5.9 | 4219 |
| TOTALS | | 25.8 | | | 19.4 | | | | | | 17.9 | 37.0 | 5.9 | 50486 |

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEV-
IATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAHRENHEIT VALUE.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THESE TEMPERATURES WERE SELECTED BY SCAN-
NING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 06-08 | MEAN | 35.0 | 36.5 | 45.2 | 55.7 | 63.9 | 72.1 | 75.8 | 74.2 | 68.6 | 57.3 | 50.0 | 40.4 | 58.9 |
| | SD | 10.256 | 10.409 | 9.643 | 8.034 | 7.355 | 5.459 | 4.446 | 5.179 | 6.582 | 9.025 | 10.303 | 11.308 | 16.039 |
| | TOT OBS | 524 | 503 | 556 | 564 | 837 | 786 | 832 | 810 | 805 | 791 | 512 | 518 | 8032 |
| 09-11 | MEAN | 39.8 | 42.4 | 51.8 | 62.4 | 71.2 | 78.8 | 82.5 | 81.4 | 76.6 | 66.4 | 57.2 | 46.6 | 63.2 |
| | SD | 9.539 | 10.562 | 10.168 | 8.958 | 7.417 | 5.256 | 4.657 | 4.816 | 6.302 | 7.721 | 9.640 | 10.604 | 16.906 |
| | TOT OBS | 925 | 845 | 930 | 896 | 930 | 900 | 928 | 914 | 895 | 929 | 900 | 921 | 10913 |
| 12-14 | MEAN | 44.5 | 47.2 | 56.5 | 66.6 | 75.1 | 82.3 | 85.7 | 84.9 | 80.4 | 70.6 | 61.9 | 51.5 | 67.4 |
| | SD | 9.937 | 11.116 | 10.928 | 9.703 | 8.172 | 5.842 | 5.512 | 5.538 | 6.748 | 7.929 | 9.646 | 10.965 | 16.696 |
| | TOT OBS | 923 | 843 | 930 | 897 | 930 | 899 | 928 | 918 | 898 | 930 | 900 | 921 | 10917 |
| 15-17 | MEAN | 44.5 | 47.0 | 56.1 | 66.1 | 74.1 | 81.4 | 85.2 | 83.4 | 79.1 | 68.2 | 60.3 | 50.8 | 65.5 |
| | SD | 9.945 | 10.691 | 10.706 | 9.378 | 8.302 | 6.385 | 5.744 | 6.200 | 6.634 | 8.310 | 9.371 | 10.894 | 16.504 |
| | TOT OBS | 829 | 781 | 856 | 772 | 740 | 673 | 734 | 698 | 709 | 744 | 807 | 827 | 9164 |
| 18-20 | MEAN | 39.2 | 40.5 | 49.5 | 59.6 | 67.7 | 75.7 | 80.1 | 77.4 | 72.3 | 59.7 | 53.2 | 44.8 | 59.6 |
| | SD | 9.822 | 9.617 | 9.859 | 8.364 | 7.714 | 6.328 | 5.308 | 5.647 | 6.063 | 8.380 | 9.451 | 10.646 | 16.290 |
| | TOT OBS | 637 | 659 | 706 | 624 | 643 | 561 | 635 | 602 | 614 | 643 | 624 | 636 | 7584 |
| 21-23 | MEAN | 37.5 | 38.5 | 46.5 | 55.3 | 64.0 | 71.5 | 76.2 | 74.3 | 69.8 | 57.4 | 51.4 | 43.3 | 52.9 |
| | SD | 9.972 | 9.809 | 9.381 | 8.783 | 7.813 | 6.186 | 4.957 | 5.161 | 5.850 | 8.465 | 10.024 | 10.873 | 15.518 |
| | TOT OBS | 429 | 442 | 468 | 392 | 218 | 182 | 218 | 205 | 206 | 245 | 417 | 428 | 3850 |
| ALL HOURS | MEAN | 40.8 | 42.8 | 51.6 | 62.0 | 70.2 | 77.9 | 81.7 | 80.2 | 75.3 | 64.4 | 56.8 | 47.1 | 62.5 |
| | SD | 10.440 | 11.156 | 11.060 | 9.937 | 8.915 | 7.040 | 6.374 | 6.803 | 7.853 | 9.766 | 10.587 | 11.505 | 16.967 |
| | TOT OBS | 4267 | 4073 | 4434 | 4145 | 4298 | 4001 | 4275 | 4147 | 4127 | 4282 | 4160 | 4251 | 50460 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87

| POU RS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|---------------|---------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | MEAN | 33.0 | 34.4 | 42.1 | 51.1 | 59.9 | 67.6 | 72.0 | 71.1 | 65.8 | 54.7 | 47.9 | 38.4 | 55.7 |
| 06-08 | SD | 10.441 | 10.569 | 9.738 | 8.047 | 7.338 | 5.436 | 4.099 | 4.968 | 6.623 | 9.026 | 10.501 | 11.365 | 15.569 |
| | TOT OBS | 524 | 502 | 550 | 564 | 837 | 786 | 808 | 783 | 776 | 783 | 511 | 516 | 7940 |
| | MEAN | 36.0 | 38.2 | 45.5 | 53.5 | 62.4 | 69.2 | 73.7 | 73.2 | 68.3 | 59.2 | 51.7 | 42.2 | 56.1 |
| 09-11 | SD | 9.758 | 10.346 | 9.603 | 8.239 | 7.143 | 5.458 | 3.999 | 4.528 | 6.192 | 7.860 | 9.932 | 10.819 | 15.305 |
| | TOT OBS | 925 | 845 | 930 | 896 | 930 | 900 | 915 | 907 | 894 | 929 | 900 | 921 | 10892 |
| | MEAN | 38.6 | 40.7 | 47.7 | 55.0 | 63.6 | 70.0 | 74.4 | 73.8 | 69.1 | 60.4 | 53.6 | 44.8 | 57.7 |
| 12-14 | SD | 9.702 | 10.013 | 9.533 | 7.949 | 7.247 | 5.495 | 4.169 | 4.697 | 6.031 | 7.644 | 9.516 | 10.649 | 14.612 |
| | TOT OBS | 923 | 843 | 930 | 897 | 930 | 899 | 914 | 912 | 896 | 929 | 900 | 921 | 10894 |
| | MEAN | 38.7 | 40.6 | 47.6 | 55.0 | 63.4 | 70.0 | 74.4 | 73.7 | 69.0 | 58.9 | 53.0 | 44.5 | 56.4 |
| 15-17 | SD | 9.610 | 9.613 | 9.085 | 7.713 | 7.087 | 5.430 | 4.215 | 4.654 | 5.779 | 7.706 | 9.346 | 10.507 | 14.575 |
| | TOT OBS | 829 | 780 | 850 | 772 | 740 | 673 | 699 | 647 | 652 | 734 | 807 | 827 | 9010 |
| | MEAN | 36.0 | 37.2 | 44.6 | 52.9 | 61.5 | 68.6 | 73.2 | 72.4 | 67.4 | 55.5 | 50.0 | 41.5 | 54.2 |
| 18-20 | SD | 9.921 | 9.492 | 9.035 | 7.738 | 7.323 | 5.759 | 4.357 | 4.775 | 5.962 | 7.796 | 9.868 | 10.719 | 15.176 |
| | TOT OBS | 637 | 659 | 706 | 624 | 643 | 561 | 588 | 524 | 529 | 621 | 624 | 636 | 7352 |
| | MEAN | 34.9 | 36.0 | 43.1 | 51.2 | 60.3 | 67.2 | 72.1 | 71.4 | 66.6 | 54.4 | 48.8 | 40.6 | 49.4 |
| 21-23 | SD | 10.019 | 9.797 | 9.102 | 8.269 | 7.628 | 6.041 | 4.644 | 4.896 | 6.094 | 7.947 | 10.279 | 10.935 | 15.013 |
| | TOT OBS | 428 | 442 | 468 | 391 | 218 | 182 | 200 | 177 | 178 | 237 | 417 | 428 | 3766 |
| | MEAN | 36.6 | 38.3 | 45.5 | 53.5 | 62.1 | 69.0 | 73.5 | 72.8 | 67.9 | 57.8 | 51.3 | 42.5 | 55.6 |
| ALL | SD | 10.036 | 10.208 | 9.576 | 8.120 | 7.377 | 5.615 | 4.276 | 4.837 | 6.261 | 8.334 | 10.027 | 10.984 | 15.171 |
| POU RS | TOT OBS | 4266 | 4071 | 4434 | 4144 | 4298 | 4001 | 4124 | 3950 | 3925 | 4233 | 4159 | 4249 | 49854 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|---------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|
| 06-08 | MEAN | 28.8 | 30.3 | 38.0 | 46.5 | 57.1 | 65.0 | 70.1 | 69.6 | 64.1 | 52.6 | 45.6 | 35.0 | 52.9 |
| | SD | 13.336 | 13.238 | 11.898 | 10.214 | 8.739 | 6.489 | 4.732 | 5.515 | 7.381 | 9.873 | 11.788 | 13.629 | 17.098 |
| | TOT OBS | 524 | 502 | 550 | 564 | 837 | 786 | 808 | 783 | 776 | 783 | 511 | 516 | 7940 |
| 09-11 | MEAN | 29.4 | 31.4 | 37.7 | 44.9 | 56.1 | 63.7 | 69.5 | 69.2 | 63.4 | 53.6 | 46.2 | 35.9 | 50.1 |
| | SD | 13.555 | 13.708 | 12.772 | 11.797 | 9.974 | 7.773 | 5.458 | 5.939 | 8.174 | 10.422 | 12.961 | 14.553 | 17.710 |
| | TOT OBS | 925 | 845 | 930 | 896 | 930 | 900 | 915 | 907 | 894 | 929 | 900 | 921 | 10892 |
| 12-14 | MEAN | 29.3 | 31.4 | 37.6 | 44.3 | 55.5 | 63.1 | 69.0 | 68.5 | 62.5 | 52.4 | 45.4 | 35.8 | 49.6 |
| | SD | 14.111 | 13.723 | 13.308 | 12.091 | 10.507 | 8.019 | 5.945 | 6.310 | 8.527 | 10.796 | 13.467 | 15.006 | 17.781 |
| | TOT OBS | 923 | 843 | 930 | 897 | 930 | 899 | 914 | 912 | 896 | 929 | 900 | 921 | 10894 |
| 15-17 | MEAN | 29.3 | 31.3 | 37.6 | 44.7 | 55.9 | 63.7 | 69.3 | 68.8 | 62.9 | 51.6 | 45.7 | 36.2 | 48.6 |
| | SD | 14.126 | 13.486 | 12.887 | 11.805 | 10.150 | 7.820 | 5.912 | 6.121 | 8.334 | 10.680 | 13.170 | 14.646 | 17.806 |
| | TOT OBS | 829 | 780 | 850 | 772 | 740 | 673 | 699 | 647 | 652 | 734 | 807 | 827 | 9010 |
| 18-20 | MEAN | 30.4 | 31.7 | 38.6 | 46.5 | 57.0 | 64.5 | 70.0 | 69.8 | 64.7 | 52.3 | 46.5 | 36.9 | 49.8 |
| | SD | 13.188 | 12.322 | 11.279 | 10.480 | 9.296 | 7.381 | 5.472 | 5.565 | 6.939 | 9.025 | 12.000 | 13.192 | 17.127 |
| | TOT OBS | 637 | 659 | 706 | 624 | 643 | 561 | 588 | 524 | 529 | 621 | 624 | 636 | 7352 |
| 21-23 | MEAN | 29.9 | 31.6 | 38.9 | 47.0 | 57.6 | 64.7 | 70.2 | 69.8 | 64.9 | 52.2 | 45.9 | 36.6 | 45.9 |
| | SD | 13.114 | 12.320 | 10.915 | 10.072 | 8.542 | 6.848 | 5.207 | 5.279 | 6.751 | 8.841 | 12.061 | 13.222 | 16.942 |
| | TOT OBS | 428 | 442 | 468 | 391 | 218 | 182 | 200 | 177 | 178 | 237 | 417 | 428 | 3766 |
| ALL HOURS | MEAN | 29.5 | 31.3 | 38.0 | 45.4 | 56.3 | 64.0 | 69.6 | 69.1 | 63.5 | 52.5 | 45.9 | 36.0 | 49.8 |
| | SD | 13.666 | 13.246 | 12.395 | 11.353 | 9.746 | 7.533 | 5.522 | 5.917 | 7.952 | 10.191 | 12.746 | 14.239 | 17.587 |
| | TOT OBS | 4266 | 4071 | 4434 | 4144 | 4298 | 4001 | 4124 | 3950 | 3925 | 4233 | 4159 | 4249 | 49854 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JAN

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|------|------|------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| JAN | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.4 | 97.9 | 94.3 | 87.8 | 73.7 | 58.2 | 30.2 | 79.2 | 524 |
| | 09-11 | 100.0 | 100.0 | 98.4 | 93.4 | 79.6 | 63.8 | 46.6 | 31.8 | 14.9 | 68.5 | 925 |
| | 12-14 | 100.0 | 99.1 | 93.5 | 77.9 | 56.3 | 38.9 | 27.7 | 19.8 | 11.7 | 58.2 | 923 |
| | 15-17 | 100.0 | 99.2 | 94.1 | 77.4 | 54.6 | 41.0 | 28.5 | 20.6 | 11.7 | 58.1 | 829 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 96.9 | 86.5 | 73.5 | 55.4 | 35.9 | 16.8 | 72.0 | 637 |
| | 21-23 | 100.0 | 99.5 | 99.5 | 97.9 | 90.7 | 79.0 | 65.4 | 45.8 | 21.0 | 75.4 | 428 |
| TOTALS | | 100.0 | 99.6 | 97.4 | 90.2 | 77.0 | 64.0 | 49.6 | 35.4 | 17.7 | 68.6 | 4261 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: FEB

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| FEB | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.8 | 99.4 | 93.8 | 87.3 | 71.9 | 54.8 | 28.5 | 79.2 | 502 |
| | 09-11 | 100.0 | 99.9 | 98.9 | 92.4 | 78.8 | 60.0 | 41.8 | 28.4 | 14.2 | 67.1 | 845 |
| | 12-14 | 100.0 | 99.4 | 92.2 | 77.1 | 57.5 | 40.1 | 25.9 | 19.5 | 8.1 | 57.4 | 843 |
| | 15-17 | 100.0 | 99.5 | 90.8 | 76.3 | 57.8 | 42.6 | 27.8 | 17.7 | 9.6 | 57.8 | 780 |
| | 18-20 | 100.0 | 100.0 | 99.4 | 96.8 | 87.4 | 73.0 | 54.5 | 37.0 | 18.1 | 72.2 | 659 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.4 | 93.2 | 82.8 | 66.5 | 48.4 | 26.7 | 77.4 | 442 |
| TOTALS | | 100.0 | 99.8 | 96.9 | 90.1 | 78.1 | 64.3 | 48.1 | 34.3 | 17.5 | 68.5 | 4071 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|-------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.1 | 93.6 | 83.5 | 68.4 | 48.2 | 23.3 | 77.1 | 550 |
| | 09-11 | 100.0 | 99.9 | 96.9 | 86.3 | 67.2 | 48.1 | 30.5 | 18.1 | 9.1 | 61.2 | 930 |
| | 12-14 | 100.0 | 98.7 | 87.2 | 67.7 | 47.4 | 30.3 | 19.1 | 13.9 | 6.3 | 52.6 | 930 |
| | 15-17 | 100.0 | 97.2 | 86.6 | 69.8 | 50.5 | 33.1 | 22.5 | 16.0 | 7.9 | 53.9 | 850 |
| | 18-20 | 100.0 | 99.7 | 98.2 | 92.4 | 81.0 | 68.0 | 48.6 | 27.6 | 11.2 | 68.5 | 700 |
| | 21-23 | 100.0 | 100.0 | 99.6 | 98.1 | 92.5 | 84.6 | 66.2 | 44.7 | 20.3 | 76.1 | 460 |
| | TOTALS | 100.0 | 99.3 | 94.8 | 85.6 | 72.0 | 57.9 | 42.6 | 28.1 | 13.0 | 64.9 | 4434 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: APR

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|----------------|--|-------|------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.6 | 98.2 | 89.5 | 74.3 | 56.7 | 36.5 | 15.4 | 72.9 | 564 |
| | 09-11 | 100.0 | 99.2 | 94.0 | 76.7 | 50.9 | 35.2 | 22.0 | 15.7 | 6.4 | 55.6 | 896 |
| | 12-14 | 100.0 | 96.5 | 80.9 | 55.6 | 36.5 | 23.6 | 16.8 | 11.7 | 4.3 | 48.3 | 897 |
| | 15-17 | 100.0 | 97.7 | 81.1 | 61.0 | 40.5 | 27.2 | 17.6 | 12.6 | 4.9 | 49.9 | 772 |
| | 18-20 | 100.0 | 99.8 | 96.2 | 89.3 | 76.3 | 60.4 | 37.8 | 20.8 | 7.5 | 64.4 | 624 |
| | 21-23 | 100.0 | 100.0 | 99.5 | 97.2 | 92.3 | 80.1 | 66.5 | 41.4 | 11.5 | 74.6 | 391 |
| TOTALS | | 100.0 | 98.9 | 91.9 | 79.7 | 64.3 | 50.1 | 36.2 | 23.1 | 8.3 | 61.0 | 4144 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: MAY

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUP OBS |
|-------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 96.8 | 88.4 | 74.9 | 55.6 | 22.1 | 79.4 | 837 |
| | 09-11 | 100.0 | 100.0 | 98.1 | 88.1 | 70.9 | 48.3 | 28.7 | 14.4 | 3.4 | 60.8 | 930 |
| | 12-14 | 100.0 | 99.5 | 92.4 | 72.2 | 50.4 | 29.8 | 18.8 | 8.8 | 1.9 | 53.0 | 930 |
| | 15-17 | 100.0 | 99.5 | 93.2 | 77.3 | 56.1 | 35.7 | 23.0 | 12.3 | 3.2 | 55.8 | 740 |
| | 18-20 | 100.0 | 100.0 | 99.1 | 96.1 | 87.4 | 72.5 | 51.2 | 29.4 | 7.3 | 70.2 | 643 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 94.5 | 79.4 | 51.8 | 19.3 | 80.2 | 218 |
| | TOTALS | 100.0 | 99.8 | 97.1 | 88.9 | 76.9 | 61.5 | 46.0 | 28.7 | 9.5 | 66.6 | 4298 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUN

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|-------|-------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| JUN | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 98.5 | 92.1 | 77.9 | 49.4 | 13.0 | 78.8 | 786 |
| | 09-11 | 100.0 | 100.0 | 99.4 | 94.0 | 78.0 | 51.0 | 24.1 | 8.6 | 1.4 | 61.2 | 900 |
| | 12-14 | 100.0 | 100.0 | 97.1 | 83.8 | 55.7 | 26.5 | 10.2 | 5.1 | .3 | 53.7 | 899 |
| | 15-17 | 100.0 | 100.0 | 97.0 | 86.8 | 65.2 | 32.7 | 16.0 | 7.7 | 2.1 | 56.5 | 673 |
| | 18-20 | 100.0 | 100.0 | 99.6 | 96.6 | 92.0 | 73.8 | 47.8 | 25.3 | 4.5 | 69.5 | 561 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.2 | 80.8 | 51.1 | 9.3 | 79.6 | 182 |
| | TOTALS | 100.0 | 100.0 | 98.9 | 93.5 | 81.6 | 62.1 | 42.8 | 24.5 | 5.1 | 66.6 | 4001 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: JUL

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|----------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 99.8 | 97.5 | 88.4 | 63.9 | 17.5 | 82.6 | 808 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 98.5 | 89.4 | 66.2 | 34.6 | 9.3 | 1.5 | 65.6 | 915 |
| | 12-14 | 100.0 | 100.0 | 99.7 | 92.8 | 69.5 | 43.5 | 17.9 | 6.8 | 2.0 | 58.7 | 914 |
| | 15-17 | 100.0 | 100.0 | 99.9 | 94.1 | 72.5 | 46.5 | 21.9 | 10.9 | 2.1 | 60.5 | 699 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.5 | 94.9 | 79.6 | 55.6 | 32.1 | 6.3 | 72.5 | 588 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.0 | 87.5 | 66.5 | 13.5 | 82.3 | 200 |
| TOTALS | | 100.0 | 100.0 | 99.9 | 97.5 | 87.7 | 71.6 | 51.0 | 31.6 | 7.2 | 70.4 | 4124 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 7A-87
MONTH: AUG

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | | MEAN | TOTAL |
|-------|----------------|--|-------|-------|-------|-------|------|------|------|------|----------------------|------|-------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM | OBS |
| AUG | 00-02 | | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 98.5 | 94.3 | 73.3 | 25.4 | 85.3 | 783 | |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.2 | 92.2 | 74.1 | 35.9 | 10.3 | 2.6 | 67.0 | 907 | |
| | 12-14 | 100.0 | 100.0 | 100.0 | 95.4 | 74.0 | 40.4 | 13.4 | 6.3 | 2.2 | 58.7 | 912 | |
| | 15-17 | 100.0 | 100.0 | 100.0 | 97.7 | 78.4 | 48.5 | 24.0 | 11.3 | 2.9 | 61.9 | 647 | |
| | 18-20 | 100.0 | 100.0 | 100.0 | 100.0 | 98.5 | 91.4 | 73.9 | 43.1 | 7.4 | 77.1 | 524 | |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.9 | 96.0 | 76.3 | 19.2 | 85.3 | 177 | |
| | TOTALS | 100.0 | 100.0 | 100.0 | 98.7 | 90.5 | 75.3 | 56.3 | 36.8 | 10.0 | 72.6 | 3950 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 78-87
MONTH: SEP

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|-------|-------|-------|-------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| SEP | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 98.5 | 91.0 | 76.2 | 27.7 | 85.4 | 776 |
| | 09-11 | 100.0 | 100.0 | 99.7 | 96.9 | 86.4 | 59.8 | 31.7 | 14.3 | 4.0 | 64.9 | 894 |
| | 12-14 | 100.0 | 99.9 | 98.1 | 88.6 | 57.8 | 29.8 | 15.6 | 9.6 | 3.7 | 56.1 | 896 |
| | 15-17 | 100.0 | 99.7 | 97.9 | 89.0 | 67.3 | 40.2 | 21.3 | 11.2 | 4.4 | 59.1 | 652 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.4 | 98.3 | 93.8 | 75.2 | 44.8 | 8.7 | 77.6 | 529 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 94.4 | 76.4 | 17.4 | 84.7 | 178 |
| TOTALS | | 100.0 | 99.9 | 99.3 | 95.7 | 84.9 | 70.3 | 54.9 | 38.8 | 11.0 | 71.3 | 3925 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: OCT

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| OCT | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.2 | 86.8 | 67.9 | 40.0 | 85.1 | 783 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 94.1 | 79.1 | 57.3 | 36.8 | 19.6 | 6.0 | 64.9 | 929 |
| | 12-14 | 100.0 | 99.9 | 97.1 | 79.0 | 53.8 | 29.6 | 16.6 | 10.2 | 3.0 | 54.5 | 929 |
| | 15-17 | 100.0 | 99.9 | 96.0 | 84.5 | 64.4 | 38.7 | 21.7 | 13.2 | 5.0 | 57.9 | 734 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.4 | 97.6 | 90.5 | 75.0 | 48.3 | 17.1 | 78.5 | 621 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 97.0 | 86.5 | 68.8 | 35.9 | 84.4 | 237 |
| TOTALS | | 100.0 | 100.0 | 98.8 | 92.8 | 82.3 | 68.4 | 53.9 | 38.0 | 17.8 | 70.9 | 4233 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: NOV

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 95.5 | 88.3 | 69.3 | 40.5 | 85.3 | 511 |
| | 09-11 | 100.0 | 99.9 | 99.0 | 93.3 | 82.9 | 67.7 | 47.2 | 27.8 | 12.1 | 68.7 | 900 |
| | 12-14 | 100.0 | 99.3 | 94.0 | 79.1 | 58.3 | 40.2 | 27.1 | 15.0 | 7.3 | 57.7 | 900 |
| | 15-17 | 100.0 | 99.1 | 95.7 | 83.4 | 67.5 | 48.0 | 32.6 | 20.3 | 9.5 | 61.3 | 807 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 98.9 | 94.6 | 88.1 | 74.2 | 53.4 | 21.5 | 78.9 | 624 |
| | 21-23 | 100.0 | 100.0 | 99.8 | 99.0 | 95.7 | 90.6 | 79.6 | 65.9 | 36.9 | 82.4 | 417 |
| TOTALS | | 100.0 | 99.7 | 98.1 | 92.3 | 83.0 | 71.7 | 58.2 | 42.0 | 21.3 | 72.4 | 4156 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-86
MONTH: DEC

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN | TOTAL |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|----------------------|------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | RELATIVE HUMIDITY | NUM OBS |
| DEC | 00-02 | | | | | | | | | | | |
| | 03-05 | | | | | | | | | | | |
| | 06-08 | 100.0 | 100.0 | 99.6 | 99.2 | 94.8 | 90.9 | 78.5 | 60.9 | 32.8 | 81.4 | 516 |
| | 09-11 | 100.0 | 99.8 | 98.5 | 92.9 | 81.1 | 65.3 | 44.4 | 29.1 | 14.9 | 68.3 | 921 |
| | 12-14 | 100.0 | 99.9 | 93.5 | 77.4 | 58.6 | 38.5 | 26.3 | 18.5 | 8.7 | 57.8 | 921 |
| | 15-17 | 100.0 | 99.5 | 94.4 | 81.0 | 65.5 | 46.6 | 31.0 | 19.5 | 10.6 | 60.4 | 827 |
| | 18-20 | 100.0 | 100.0 | 99.8 | 97.2 | 90.9 | 79.9 | 64.0 | 42.6 | 18.7 | 74.8 | 636 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.1 | 93.5 | 84.1 | 72.7 | 53.5 | 25.5 | 78.1 | 428 |
| TOTALS | | 100.0 | 99.9 | 97.6 | 91.1 | 80.7 | 67.6 | 52.8 | 37.4 | 18.5 | 70.1 | 4249 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87
MONTH: ALL

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NUM OBS |
|--------|----------------|--|-------|-------|------|------|------|------|------|------|------------------------------|---------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 99.6 | 97.4 | 90.2 | 77.0 | 64.0 | 49.6 | 35.4 | 17.7 | 68.6 | 4266 |
| FEB | | 100.0 | 99.8 | 96.9 | 90.1 | 78.1 | 64.3 | 48.1 | 34.3 | 17.5 | 68.5 | 4071 |
| MAR | | 100.0 | 99.3 | 94.8 | 85.6 | 72.0 | 57.9 | 42.6 | 28.1 | 13.0 | 64.9 | 4434 |
| APR | | 100.0 | 98.9 | 91.9 | 79.7 | 64.3 | 50.1 | 36.2 | 23.1 | 8.3 | 61.0 | 4144 |
| MAY | | 100.0 | 99.8 | 97.1 | 88.9 | 76.9 | 61.5 | 46.0 | 28.7 | 9.5 | 66.6 | 4298 |
| JUN | | 100.0 | 100.0 | 98.9 | 93.5 | 81.6 | 62.1 | 42.8 | 24.5 | 5.1 | 66.6 | 4001 |
| JUL | | 100.0 | 100.0 | 99.9 | 97.5 | 87.7 | 71.6 | 51.0 | 31.6 | 7.2 | 70.4 | 4124 |
| AUG | | 100.0 | 100.0 | 100.0 | 98.7 | 90.5 | 75.3 | 56.3 | 36.8 | 10.0 | 72.6 | 3950 |
| SEP | | 100.0 | 99.9 | 99.3 | 95.7 | 84.9 | 70.3 | 54.9 | 38.8 | 11.0 | 71.3 | 3925 |
| OCT | | 100.0 | 100.0 | 98.8 | 92.8 | 82.3 | 68.4 | 53.9 | 38.0 | 17.8 | 70.9 | 4233 |
| NOV | | 100.0 | 99.7 | 98.1 | 92.3 | 83.0 | 71.7 | 58.2 | 42.0 | 21.3 | 72.4 | 4159 |
| DEC | | 100.0 | 99.9 | 97.6 | 91.1 | 80.7 | 67.6 | 52.8 | 37.4 | 18.5 | 70.1 | 4249 |
| TOTALS | | 100.0 | 99.7 | 97.6 | 91.3 | 79.9 | 65.4 | 49.4 | 33.2 | 13.1 | 68.7 | 49854 |

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87

| HOURS LST | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| 01 | MEAN SD TOT OBS | | | | | | | | | | | | | |
| 04 | MEAN SD TOT OBS | | | | | | | | | | | | | |
| 07 | MEAN SD TOT OBS | 30.054 .269 216 | 30.082 .263 221 | 30.037 .256 246 | 29.990 .223 243 | 30.005 .157 310 | 30.009 .139 300 | 30.020 .112 308 | 30.040 .115 308 | 30.072 .140 300 | 30.094 .179 297 | 30.125 .193 209 | 30.131 .236 211 | 30.051 .195 3169 |
| 10 | MEAN SD TOT OBS | 30.096 .274 309 | 30.109 .268 282 | 30.054 .271 310 | 29.999 .226 299 | 30.013 .159 310 | 30.015 .142 300 | 30.030 .116 310 | 30.052 .117 305 | 30.087 .142 297 | 30.118 .186 310 | 30.136 .207 300 | 30.166 .237 307 | 30.073 .210 3639 |
| 13 | MEAN SD TOT OBS | 30.036 .276 307 | 30.066 .270 281 | 30.012 .272 310 | 29.964 .226 299 | 29.986 .159 310 | 29.994 .142 300 | 30.010 .118 310 | 30.029 .117 307 | 30.058 .143 299 | 30.076 .189 310 | 30.084 .209 300 | 30.105 .239 307 | 30.035 .209 3640 |
| 16 | MEAN SD TOT OBS | 30.020 .276 307 | 30.038 .263 281 | 29.976 .268 309 | 29.929 .221 292 | 29.960 .157 240 | 29.969 .145 198 | 29.978 .123 213 | 30.000 .119 210 | 30.013 .128 206 | 30.043 .197 222 | 30.068 .208 299 | 30.090 .240 307 | 30.009 .216 3084 |
| 19 | MEAN SD TOT OBS | 30.046 .260 211 | 30.069 .260 216 | 29.995 .258 247 | 29.945 .215 234 | 29.969 .153 245 | 29.976 .141 198 | 29.981 .116 211 | 30.009 .114 214 | 30.027 .125 203 | 30.062 .186 214 | 30.107 .195 210 | 30.110 .245 211 | 30.023 .205 2614 |
| 22 | MEAN SD TOT OBS | 30.053 .262 215 | 30.075 .258 221 | 30.023 .254 244 | 29.987 .216 185 | 29.910 1 | 30.070 1 | 29.977 3 | | | 30.187 .176 29 | 30.117 .193 208 | 30.117 .245 214 | 30.065 .243 1321 |
| ALL | MEAN SD HOURS TOT OBS | 30.051 .271 1565 | 30.073 .265 1502 | 30.016 .265 1666 | 29.968 .223 1552 | 29.989 .158 1416 | 29.996 .143 1297 | 30.007 .118 1355 | 30.029 .118 1344 | 30.056 .139 1305 | 30.084 .189 1382 | 30.104 .203 1526 | 30.120 .241 1557 | 30.042 .211 17467 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MRS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 77-87

| HOURS | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LST | | | | | | | | | | | | | | |
| 01 | MEAN | | | | | | | | | | | | | |
| | SD | | | | | | | | | | | | | |
| | TOT OBS | | | | | | | | | | | | | |
| 04 | MEAN | | | | | | | | | | | | | |
| | SD | | | | | | | | | | | | | |
| | TOT OBS | | | | | | | | | | | | | |
| 07 | MEAN | 1018.8 | 1020.0 | 1017.2 | 1016.6 | 1016.8 | 1016.9 | 1017.2 | 1017.9 | 1019.1 | 1019.8 | 1020.6 | 1020.7 | 1018.3 |
| | SD | 9.321 | 8.971 | 8.927 | 7.501 | 5.318 | 4.719 | 3.810 | 3.930 | 4.749 | 6.059 | 6.644 | 8.148 | 6.526 |
| | TOT OBS | 189 | 169 | 185 | 215 | 310 | 300 | 305 | 297 | 291 | 292 | 180 | 185 | 2918 |
| 10 | MEAN | 1019.8 | 1020.3 | 1018.4 | 1016.6 | 1017.1 | 1017.1 | 1017.5 | 1018.4 | 1019.6 | 1020.6 | 1021.2 | 1022.2 | 1019.1 |
| | SD | 9.275 | 9.080 | 9.185 | 7.667 | 5.389 | 4.826 | 3.874 | 3.984 | 4.792 | 6.301 | 7.030 | 8.036 | 7.111 |
| | TOT OBS | 309 | 282 | 310 | 299 | 310 | 300 | 305 | 297 | 291 | 310 | 300 | 306 | 3619 |
| 13 | MEAN | 1017.8 | 1018.8 | 1017.0 | 1015.4 | 1016.1 | 1016.4 | 1016.9 | 1017.6 | 1018.6 | 1019.2 | 1019.4 | 1020.2 | 1017.8 |
| | SD | 9.350 | 9.158 | 9.221 | 7.671 | 5.388 | 4.798 | 3.964 | 3.971 | 4.853 | 6.421 | 7.088 | 8.071 | 7.077 |
| | TOT OBS | 307 | 281 | 310 | 299 | 310 | 300 | 305 | 297 | 291 | 310 | 300 | 307 | 3617 |
| 16 | MEAN | 1017.3 | 1017.9 | 1015.8 | 1014.4 | 1014.7 | 1015.5 | 1015.9 | 1016.8 | 1016.8 | 1017.9 | 1018.9 | 1019.7 | 1017.0 |
| | SD | 9.331 | 8.920 | 9.068 | 7.666 | 5.484 | 5.104 | 4.148 | 3.563 | 4.091 | 6.797 | 7.063 | 8.114 | 7.558 |
| | TOT OBS | 307 | 280 | 309 | 264 | 186 | 150 | 156 | 155 | 150 | 203 | 299 | 307 | 2766 |
| 19 | MEAN | 1018.3 | 1019.3 | 1015.8 | 1015.3 | 1015.0 | 1015.7 | 1016.0 | 1017.0 | 1017.2 | 1018.3 | 1020.0 | 1019.9 | 1017.4 |
| | SD | 9.176 | 8.978 | 8.828 | 7.626 | 5.337 | 4.970 | 4.032 | 3.390 | 4.015 | 6.372 | 6.657 | 8.443 | 7.110 |
| | TOT OBS | 186 | 168 | 186 | 180 | 186 | 150 | 155 | 155 | 150 | 186 | 180 | 186 | 2068 |
| 22 | MEAN | 1018.8 | 1019.7 | 1016.7 | 1016.6 | 1013.5 | 1019.0 | 1015.8 | | | 1022.9 | 1020.4 | 1020.2 | 1018.8 |
| | SD | 9.116 | 8.878 | 8.615 | 7.395 | | | | | | 5.359 | 6.519 | 8.485 | 8.320 |
| | TOT OBS | 186 | 168 | 184 | 155 | 1 | 1 | 3 | | | 23 | 180 | 186 | 1087 |
| ALL | MEAN | 1018.4 | 1019.3 | 1016.9 | 1015.7 | 1016.1 | 1016.5 | 1016.9 | 1017.7 | 1018.5 | 1019.4 | 1020.0 | 1020.5 | 1018.0 |
| | SD | 9.334 | 9.036 | 9.059 | 7.643 | 5.439 | 4.871 | 3.978 | 3.875 | 4.716 | 6.427 | 6.933 | 8.220 | 7.207 |
| HOURS | TOT OBS | 1484 | 1348 | 1484 | 1412 | 1303 | 1201 | 1229 | 1201 | 1173 | 1324 | 1439 | 1477 | 16075 |

SUPPLEMENTAL DATA SECTION SPECIAL CAVEAT PAGE

1. GIVE PARTICULAR ATTENTION TO THE HOURS OF OPERATION PROVIDED AT BEGINNING OF THE LISOCs.
2. EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS WILL NOT REFLECT IN THESE SUMMARIES.
3. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES MAY NOT REFLECT TRUE 24-HOUR AMOUNTS.
 - A. RECORDED PRECIPITATION AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS.
 - B. PERIODS GREATER THAN 24 HOURS DO NOT TAKE INTO ACCOUNT EVAPORATION.
 - C. THIS 24-HOUR AMOUNT MAY, BUT MORE FREQUENTLY DOES NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT.
 - D. COMBINATIONS OF THE ABOVE LIMITATIONS TEND TO FURTHER EXAGGERATE THE QUESTIONABILITY OF THESE 24-HOUR AMOUNTS.
4. MONTHLY AMOUNTS OF PRECIPITATION (INCLUDING SNOWFALL) ARE NOT AS SERIOUSLY AFFECTED AS THE 24-HOUR VALUES. HOWEVER, EVAPORATION (SUBLIMATION) CAN CAUSE "BOGUS" AMOUNTS TO BE INCLUDED FOR NON-OPERATIONAL PERIODS WHERE THE VALUES ARE DEPENDENT ON THE LENGTH OF TIME OF THESE NON-OPERATIONAL PERIODS.
5. THE TEMPERATURES SUMMARIES REPRESENT THE "HIGH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND MINIMUM TEMPERATURES.

USAFETAC RECOMMENDS THAT COPIES OF FULL TIME PERIODS, WHEN AVAILABLE, BE ACCOMPANIED BY THE CAVEAT --EXTREMES OCCURRING OUTSIDE THE FULL TIME PERIOD SUMMARIZED ARE NOT REFLECTED IN THESE SUMMARIES.

USAFETAC ALSO RECOMMENDS LIMITED DISTRIBUTION OF THE LIMITED OR PART TIME PERIOD TO METEOROLOGIST (TECHNICIANS), AND BE ACCOMPANIED BY THIS CAVEAT PAGE.

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS:

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

| | | |
|------------------------------|-------|--|
| EXTREME DAILY PRECIPITATION: | ".00" | EQUALS NONE FOR THE MONTH (HUNDREDTHS) |
| EXTREME DAILY SNOWFALL: | ".0" | EQUALS NONE FOR THE MONTH (TENTHS) |
| EXTREME DAILY SNOW DEPTH: | "0" | EQUALS NONE FOR THE MONTH (WHOLE INCHES) |

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-53, 55-69
MONTH: ALL

| MONTH | TSTMS | RAIN 6/0R DRIZZLE | FRZING RAIN 6/0R DRIZZLE | SNOW 6/0R SLEET | HAIL | % OBS WITH PRECIP | FOG | SMOKE 6/0R HAZE | BLOWING SNOW | DUST 6/0R SAND | % OBS W/CBST TO VISION | TOTAL OBS |
|--------|-------|-------------------------|-----------------------------------|-----------------------|------|-------------------------|------|-----------------------|-----------------|----------------------|---------------------------------|--------------|
| JAN | .8 | 40.6 | 1.8 | 11.5 | | 44.4 | 48.2 | 65.8 | .8 | | 75.3 | 620 |
| FEB | 2.3 | 48.1 | .5 | 8.8 | | 52.2 | 49.2 | 65.7 | .7 | | 74.2 | 565 |
| MAR | 5.2 | 42.6 | | 5.5 | | 44.7 | 44.5 | 64.2 | .3 | | 73.1 | 620 |
| APR | 10.0 | 42.7 | | .2 | .3 | 42.8 | 45.2 | 66.3 | | | 72.3 | 600 |
| MAY | 17.8 | 39.7 | | | .3 | 39.7 | 53.5 | 80.5 | | | 65.1 | 589 |
| JUN | 21.7 | 43.0 | | | | 43.0 | 58.3 | 82.4 | | | 67.6 | 540 |
| JUL | 29.0 | 43.2 | | | | 43.2 | 54.1 | 81.4 | | | 64.1 | 558 |
| AUG | 26.9 | 47.5 | | | | 47.5 | 62.7 | 82.8 | | | 67.5 | 558 |
| SEP | 9.3 | 37.7 | | | | 37.7 | 63.3 | 78.3 | | | 63.5 | 539 |
| OCT | 4.1 | 33.5 | | | | 33.5 | 69.4 | 77.6 | | | 64.8 | 558 |
| NOV | 1.3 | 33.1 | | 1.5 | | 33.9 | 53.3 | 66.9 | | | 74.4 | 540 |
| DEC | 1.1 | 36.6 | .4 | 4.7 | | 38.5 | 48.4 | 65.4 | .4 | | 75.1 | 558 |
| TOTALS | 10.8 | 40.7 | .2 | 2.7 | .0 | 41.8 | 54.2 | 73.1 | .2 | | 79.7 | 6845 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

AMOUNTS IN INCHES

| MONTH | NONE | TRACE | .01 | .02 | .06 | .11 | .26 | .51 | 1.01 | 2.51 | 5.01 | 10.01 | OVER | % DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|------|-------|-----|-----|-----|-----|-----|------|------|------|-------|-------|-------|--------------------------------|--------------|-----------------|--------------|-----|
| | | | | .05 | .10 | .25 | .50 | 1.00 | 2.50 | 5.00 | 10.00 | 20.00 | 20.00 | | | MEAN | GREATEST LEA | |
| JAN | 55.8 | 11.1 | 2.2 | 6.8 | 3.1 | 7.5 | 5.8 | 4.8 | 2.9 | .2 | | | | 33.2 | 651 | 2.64 | 6.32 | 1.5 |
| FEB | 48.7 | 13.5 | 3.0 | 5.1 | 5.1 | 7.1 | 7.8 | 7.1 | 2.7 | | | | | 37.8 | 593 | 2.74 | 5.95 | 1.2 |
| MAR | 54.1 | 12.9 | 2.8 | 5.4 | 3.2 | 6.9 | 6.8 | 5.1 | 2.6 | .3 | | | | 33.0 | 651 | 2.70 | 6.96 | 1.0 |
| APR | 56.8 | 10.8 | 1.9 | 6.7 | 4.6 | 7.6 | 5.1 | 4.6 | 1.9 | | | | | 32.4 | 610 | 2.90 | 5.45 | .4 |
| MAY | 59.3 | 9.5 | 1.4 | 5.8 | 3.7 | 7.5 | 3.7 | 5.7 | 3.2 | .2 | | | | 31.2 | 651 | 3.79 | 11.75 | 1.3 |
| JUN | 56.7 | 11.5 | 2.2 | 5.7 | 3.2 | 4.5 | 7.3 | 4.8 | 3.7 | .5 | | | | 31.8 | 600 | 4.26 | 6.12 | 1.2 |
| JUL | 56.3 | 7.9 | 2.6 | 4.2 | 4.5 | 6.1 | 6.8 | 4.7 | 6.3 | .6 | | | | 35.8 | 620 | 5.98 | 14.25 | 1.5 |
| AUG | 52.4 | 9.7 | 2.3 | 4.8 | 4.4 | 8.5 | 6.0 | 6.1 | 4.8 | .8 | .2 | | | 37.9 | 620 | 6.16 | 14.89 | 2.3 |
| SEP | 62.7 | 10.5 | 1.2 | 4.0 | 3.8 | 5.2 | 4.2 | 4.0 | 3.2 | 1.3 | | | | 26.8 | 600 | 4.52 | 11.65 | .4 |
| OCT | 67.4 | 8.4 | 2.6 | 3.7 | 3.2 | 5.6 | 3.1 | 2.7 | 2.6 | .5 | | | | 24.2 | 620 | 3.34 | 6.30 | .4 |
| NOV | 66.0 | 7.8 | 1.2 | 5.8 | 3.3 | 5.7 | 4.3 | 3.0 | 2.3 | .5 | | | | 26.2 | 600 | 2.85 | 5.64 | .4 |
| DEC | 60.6 | 10.0 | 2.9 | 4.7 | 3.7 | 4.5 | 7.6 | 4.0 | 1.9 | | | | | 29.4 | 620 | 2.73 | 5.21 | .4 |
| ANN | 58.1 | 10.3 | 2.2 | 5.2 | 3.8 | 6.4 | 5.7 | 4.7 | 3.2 | .4 | .0 | | | 31.6 | 7456 | 47.91 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | .42 | .77 | .77 | 1.05 | 1.23 | 2.03 | 2.22 | 1.75 | 1.85 | 1.42 | 2.81 | 1.05 | 2.81 |
| 50 | 1.11 | .38 | 1.55 | 1.32 | 1.94 | 2.61 | 3.27 | .80 | 1.40 | .35 | .58 | 1.02 | 3.27 |
| 51 | .43 | .58 | 1.22 | .60 | 1.16 | .93 | 1.10 | 2.35 | .47 | .86 | 2.11 | .52 | 2.35 |
| 52 | .97 | 1.30 | 1.01 | .80 | 1.30 | .82 | .87 | 1.77 | .96 | .49 | 2.54 | 1.29 | 2.54 |
| 53 | .56 | .92 | .62 | .63 | .98 | 1.53 | 1.22 | 3.96 | 2.96 | .27 | 1.52 | 1.18 | 3.96 |
| 54 | 1.97 | .66 | 1.31 | 1.56 | .89 | .78 | 1.83 | 2.32 | 1.99 | .65 | .53 | 1.17 | 2.32 |
| 55 | 1.09 | 1.72 | 1.03 | .54 | 1.95 | .95 | .52 | 3.67 | 4.82 | .53 | .84 | .39 | 4.82 |
| 56 | .53 | 1.00 | 1.26 | 1.98 | 1.00 | 2.43 | 4.34 | 2.04 | .69 | 2.67 | .33 | .37 | 4.34 |
| 57 | 1.53 | 1.67 | 2.00 | .87 | .45 | .67 | 1.49 | 3.14 | 2.73 | 2.58 | 1.57 | 1.79 | 3.14 |
| 58 | 1.47 | 1.17 | 1.14 | 1.44 | 1.04 | 1.17 | .62 | 4.53 | .52 | 2.44 | 1.05 | 1.69 | 4.53 |
| 59 | .59 | 1.71 | 1.87 | 1.47 | 1.19 | 1.40 | 1.17 | 1.10 | 2.80 | 2.34 | .59 | .81 | 2.80 |
| 60 | 4.78 | 1.37 | 1.01 | 1.10 | .97 | 1.02 | 2.06 | 1.90 | 1.90 | 1.88 | .91 | .78 | 4.78 |
| 61 | 1.75 | 1.29 | .63 | 1.56 | 1.36 | 2.62 | 1.47 | .90 | 1.63 | 1.63 | 1.03 | 1.03 | 2.62 |
| 62 | 1.32 | .62 | 1.20 | 1.62 | 1.27 | 1.13 | 2.42 | .68 | 1.12 | .70 | 1.08 | .71 | 2.42 |
| 63 | .99 | .83 | .66 | .72 | .80 | 3.64 | 2.31 | 1.50 | 2.74 | .62 | 2.92 | .91 | 3.64 |
| 64 | 1.66 | 1.48 | 1.74 | .84 | .62 | 1.79 | 1.23 | 5.18 | 3.75 | 2.26 | .63 | 1.80 | 5.18 |
| 65 | .57 | 1.88 | .76 | .97 | 1.79 | 2.38 | 3.17 | 1.29 | .75 | 1.84 | .24 | .17 | 3.17 |
| 66 | 1.58 | 1.48 | 1.40 | .36 | 3.15 | 1.56 | 1.38 | 1.70 | .75 | .40 | 1.07 | 2.17 | 3.15 |
| 67 | .86 | 1.26 | .75 | .13 | .49 | 1.61 | 2.04 | 2.28 | 2.66 | .31 | .77 | 1.20 | 2.66 |
| 68 | 1.37 | .66 | 3.17 | 1.06 | 1.55 | .55 | 2.22 | .88 | 2.60 | 4.30 | 1.07 | .44 | 4.30 |
| 69 | 1.26 | 1.03 | 2.52 | 1.25 | 1.06 | | | | | | | | |
| MEAN | 1.237 | 1.090 | 1.315 | 1.045 | 1.247 | 1.581 | 1.448 | 2.187 | 1.955 | 1.427 | 1.204 | 1.026 | 1.440 |
| S.D. | .920 | .412 | .654 | .468 | .601 | .816 | .957 | 1.287 | 1.174 | 1.093 | .801 | .533 | .930 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| TOTAL MONTHLY PRECIPITATION IN INCHES | | | | | | | | | | | | | |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
| 49 | 1.73 | 3.05 | 3.10 | 3.40 | 3.63 | 8.12 | 6.85 | 8.28 | 4.39 | 3.41 | 3.75 | 2.26 | 51.97 |
| 50 | 2.60 | 1.34 | 3.13 | 2.81 | 7.62 | 6.55 | 12.25 | 2.96 | 5.30 | 1.03 | 1.40 | 3.13 | 50.12 |
| 51 | 1.53 | 1.91 | 3.03 | 2.49 | 3.34 | 4.45 | 4.67 | 8.38 | 1.18 | 3.33 | 5.51 | 2.30 | 42.12 |
| 52 | 2.81 | 5.47 | 4.76 | 2.15 | 4.26 | 1.95 | 3.17 | 5.64 | 2.08 | 1.16 | 5.30 | 3.52 | 42.27 |
| 53 | 2.26 | 5.12 | 2.26 | 3.08 | 2.28 | 2.76 | 3.45 | 9.45 | 5.27 | .44 | 4.48 | 5.21 | 46.06 |
| 54 | 6.15 | 1.28 | 4.51 | 3.62 | 3.92 | 1.22 | 4.37 | 5.27 | 2.43 | 1.25 | 1.47 | 3.40 | 38.89 |
| 55 | 2.85 | 2.93 | 3.51 | 1.76 | 3.55 | 3.64 | 1.57 | 10.89 | 11.65 | 1.62 | 1.85 | .89 | 46.71 |
| 56 | 2.79 | 4.97 | 3.45 | 5.13 | 2.97 | 5.51 | 10.86 | 4.88 | 2.56 | 7.86 | 1.16 | 1.12 | 53.26 |
| 57 | 4.24 | 5.60 | 5.40 | 1.74 | 1.83 | 1.20 | 3.30 | 6.48 | 6.88 | 5.89 | 5.63 | 4.99 | 53.18 |
| 58 | 3.63 | 3.06 | 3.82 | 3.97 | 4.12 | 4.11 | 1.96 | 10.19 | .96 | 8.30 | 2.06 | 3.61 | 49.79 |
| 59 | 1.97 | 3.30 | 6.02 | 5.45 | 1.39 | 3.82 | 6.67 | 2.49 | 7.28 | 5.56 | 2.47 | 2.99 | 49.41 |
| 60 | 8.32 | 4.55 | 3.74 | 2.05 | 2.48 | 4.37 | 6.29 | 5.70 | 3.94 | 2.58 | 1.67 | 2.00 | 47.69 |
| 61 | 2.20 | 5.73 | 2.99 | 4.42 | 5.53 | 7.17 | 3.96 | 3.16 | 3.47 | 3.15 | 2.16 | 3.12 | 47.06 |
| 62 | 4.89 | 3.31 | 3.90 | 3.12 | 3.46 | 6.29 | 6.30 | 2.31 | 2.87 | 2.39 | 4.12 | 3.54 | 46.50 |
| 63 | 4.81 | 3.76 | 1.98 | 1.64 | 2.78 | 6.37 | 7.32 | 6.39 | 7.77 | 1.16 | 5.64 | 3.27 | 52.84 |
| 64 | 5.51 | 5.95 | 3.23 | 2.29 | 1.70 | 2.55 | 2.72 | 8.62 | 8.60 | 6.91 | 1.21 | 3.74 | 53.03 |
| 65 | 1.80 | 3.66 | 3.46 | 2.79 | 5.70 | 7.04 | 11.59 | 4.08 | 2.24 | 1.86 | .49 | .35 | 45.06 |
| 66 | 6.17 | 4.91 | 1.90 | 1.27 | 11.75 | 3.25 | 3.57 | 7.76 | 3.67 | 1.00 | 1.21 | 4.44 | 50.90 |
| 67 | 3.00 | 3.69 | 1.05 | .52 | 1.99 | 3.27 | 10.87 | 7.93 | 4.59 | .86 | 1.97 | 4.40 | 44.14 |
| 68 | 4.54 | 1.53 | 5.54 | 3.52 | 3.43 | 1.48 | 7.83 | 2.36 | 3.35 | 6.96 | 3.53 | 2.36 | 46.43 |
| 69 | 2.61 | 3.44 | 6.98 | 3.70 | 1.83 | | | | | | | | |
| MEAN | 3.639 | 3.742 | 3.703 | 2.901 | 3.789 | 4.256 | 5.979 | 6.161 | 4.524 | 3.336 | 2.854 | 3.029 | 47.872 |
| S.D. | 1.803 | 1.464 | 1.442 | 1.249 | 2.370 | 2.127 | 3.301 | 2.714 | 2.733 | 2.598 | 1.722 | 1.298 | 4.116 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | | 2 DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | | |
|-------|-------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------------------|--------------------|--------------------|--------------|-----|--------------------------------|--------------|-----------------|--------------|--|
| | NONE | TRACE | 0.1 TO 0.4 | 0.5 TO 1.4 | 1.5 TO 2.4 | 2.5 TO 3.4 | 3.5 TO 4.4 | 4.5 TO 6.4 | 6.5 TO 10.4 | 10.5 TO 15.4 | 15.5 TO 25.4 | 25.5 TO 50.4 | OVER 50.4 | | | | MEAN | GREATEST LEA | |
| JAN | 89.1 | 7.5 | .3 | 1.5 | .5 | .6 | .3 | .2 | | | | | | 3.4 | 651 | 1.9 | 9.2 | TRACE | |
| FEB | 91.6 | 6.6 | .2 | 1.0 | .2 | .2 | | .3 | | | | | | 1.9 | 593 | 1.1 | 10.2 | .0 | |
| MAR | 94.9 | 3.7 | .3 | .2 | .5 | .3 | | .2 | | | | | | 1.4 | 651 | .9 | 11.1 | .0 | |
| APR | 99.8 | .2 | | | | | | | | | | | | | 630 | TRACE | TRACE | .0 | |
| MAY | 100.0 | | | | | | | | | | | | | | 651 | .0 | .0 | .0 | |
| JUN | 100.0 | | | | | | | | | | | | | | 600 | .0 | .0 | .0 | |
| JUL | 100.0 | | | | | | | | | | | | | | 620 | .0 | .0 | .0 | |
| AUG | 100.0 | | | | | | | | | | | | | | 620 | .0 | .0 | .0 | |
| SEP | 100.0 | | | | | | | | | | | | | | 600 | .0 | .0 | .0 | |
| OCT | 100.0 | | | | | | | | | | | | | | 620 | .0 | .0 | .0 | |
| NOV | 98.7 | 1.3 | | | | | | | | | | | | | 600 | TRACE | TRACE | .0 | |
| DEC | 95.6 | 3.4 | .2 | .6 | | | | | .2 | | | | | 1.0 | 620 | .8 | 12.8 | .0 | |
| ANN | 97.5 | 1.9 | .1 | .3 | .1 | .1 | .0 | .1 | .0 | | | | | .6 | 7456 | 4.7 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| YEAR | 24 HOUR AMOUNTS IN INCHES | | | | | | | | | | | | ALL MONTHS |
|-----------|---------------------------|-------|-------|-------|------|------|------|------|------|------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | .6 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .6 |
| 50 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | TRACE |
| 51 | TRACE | 6.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.1 |
| 52 | TRACE | TRACE | 1.5 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 | TRACE | 1.5 |
| 53 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 54 | TRACE | .0 | .0 | .0 | .0 | .0 | .3 | .0 | .0 | .0 | .0 | .0 | .6 |
| 55 | 2.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.4 | 2.0 |
| 56 | 3.5 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.5 |
| 57 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 |
| 58 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 11.0 | 12.0 |
| 59 | 3.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 | 3.0 |
| 60 | TRACE | TRACE | 6.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 6.0 |
| 61 | 2.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.0 |
| 62 | 5.7 | 1.0 | 2.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 5.0 |
| 63 | TRACE | 6.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.2 |
| 64 | TRACE | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 | 1.0 |
| 65 | 3.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 |
| 66 | 4.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 4.0 |
| 67 | TRACE | 1.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.2 |
| 68 | 3.7 | 1.8 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 |
| 69 | TRACE | TRACE | 1.5 | .0 | .0 | | | | | | | | |
| MEAN | 1.29 | .82 | .61 | TRACE | .00 | .00 | .00 | .00 | .00 | .00 | TRACE | .75 | 1.09 |
| S.D. | 1.653 | 1.845 | 1.433 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 2.676 | 2.902 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 660 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| TOTAL MONTHLY SNOWFALL IN INCHES | | | | | | | | | | | | | |
|----------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|------------|
| -M-O-N-T-H-S- | | | | | | | | | | | | | |
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
| 49 | .6 | .0 | .1 | .C | .0 | .0 | .0 | .0 | .0 | .C | .0 | TRACE | .7 |
| 50 | TRACE | TRACE | TRACE | .C | .0 | .0 | .0 | .C | .0 | .0 | TRACE | TRACE | TRACE |
| 51 | TRACE | 10.2 | TRACE | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 10.2 |
| 52 | TRACE | TRACE | 1.5 | .C | .0 | .0 | .0 | .0 | .0 | .C | .0 | TRACE | 1.5 |
| 53 | TRACE | .0 | TRACE | .C | .0 | .0 | .0 | .0 | .C | .0 | .C | .0 | TRACE |
| 54 | TRACE | .0 | .0 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .6 | .6 |
| 55 | 3.0 | TRACE | .0 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .C | 1.4 | 4.4 |
| 56 | 3.9 | .0 | TRACE | .C | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.9 |
| 57 | 1.0 | .0 | .0 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 |
| 58 | TRACE | TRACE | .0 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .C | 12.8 | 12.8 |
| 59 | 3.0 | TRACE | TRACE | .C | .C | .C | .0 | .0 | .0 | .0 | TRACE | .7 | 3.0 |
| 60 | TRACE | TRACE | 11.1 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 11.1 |
| 61 | 4.1 | TRACE | TRACE | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 4.1 |
| 62 | 7.0 | 1.0 | 2.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 10.7 |
| 63 | TRACE | 6.7 | .0 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | 6.7 |
| 64 | TRACE | 1.0 | TRACE | .C | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 | 1.0 |
| 65 | 5.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .C | .0 | .0 | .0 | .0 | 5.0 |
| 66 | 9.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .C | .0 | TRACE | TRACE | 9.2 |
| 67 | TRACE | 1.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.2 |
| 68 | 4.0 | 3.5 | 1.1 | .C | .0 | .0 | .0 | .0 | .0 | .0 | .C | 1.2 | 9.8 |
| 69 | TRACE | TRACE | 1.5 | .C | .0 | | | | | | | | |
| MEAN | 1.94 | 1.12 | .86 | TRACE | .00 | .00 | .00 | .00 | .00 | .00 | TRACE | .80 | 4.85 |
| S.D. | 2.709 | 2.628 | 2.458 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 2.854 | 4.314 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| MONTH | AMOUNTS IN INCHES | | | | | | | | | | | | | 3 DAYS WITH MEAS AMTS | TOTAL OBS | MONTHLY AMOUNTS | |
|-------|-------------------|-------|-----|----|----|--------------|---------------|----------------|----------------|----------------|----------------|-----------------|-------------|--------------------------------|--------------|-----------------|--------------|
| | NONE | TRACE | 1 | 2 | 3 | 4 TO 6 | 7 TO 12 | 13 TO 24 | 25 TO 36 | 37 TO 48 | 49 TO 60 | 61 TO 120 | OVER 120 | | | MEAN | GREATEST LEA |
| JAN | 94.0 | 2.2 | 2.0 | .8 | .6 | .5 | | | | | | | | 3.8 | 651 | | |
| FEB | 96.0 | 1.2 | 1.3 | .7 | .3 | .3 | .2 | | | | | | | 2.9 | 593 | | |
| MAR | 98.9 | .3 | .5 | .3 | | | | | | | | | | .8 | 651 | | |
| APR | 100.0 | | | | | | | | | | | | | | 630 | | |
| MAY | 100.0 | | | | | | | | | | | | | | 651 | | |
| JUN | 100.0 | | | | | | | | | | | | | | 600 | | |
| JUL | 100.0 | | | | | | | | | | | | | | 620 | | |
| AUG | 100.0 | | | | | | | | | | | | | | 620 | | |
| SEP | 100.0 | | | | | | | | | | | | | | 600 | | |
| OCT | 100.0 | | | | | | | | | | | | | | 620 | | |
| NOV | 100.0 | | | | | | | | | | | | | | 600 | | |
| DEC | 97.3 | 1.7 | .8 | | .2 | .5 | .2 | .2 | | | | | | 1.8 | 620 | | |
| ANN | 98.8 | .4 | .4 | .1 | .1 | .1 | .0 | .0 | | | | | | .8 | 7456 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S- | | | | | | | | | | | | | ALL MONTHS |
|---|-------|-------|------|------|------|------|------|------|------|------|------|-------|---------------|
| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | TRACE | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 52 | TRACE | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 55 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 56 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 13 |
| 59 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 60 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 61 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 62 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 63 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 64 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 65 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 66 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 67 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 68 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 69 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| MEAN | 1.0 | 1.1 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .8 | 2.7 |
| S.D. | 1.532 | 2.032 | .658 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | .000 | 2.495 | 3.130 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941

STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 69-70, 73-83, 86-

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| GE 100 | | | | | | | | 2 | | | | | .C |
| GE 95 | | | | | 2.0 | 7.1 | 4.3 | .7 | | | | | 1.2 |
| GE 90 | | | | .5 | 3.0 | 15.0 | 33.4 | 26.3 | 7.9 | .7 | | | 7.5 |
| GE 85 | | | .5 | 4.1 | 14.6 | 47.8 | 74.9 | 65.2 | 35.2 | 2.7 | | | 21.0 |
| GE 80 | | .8 | 3.3 | 14.9 | 39.5 | 76.5 | 94.9 | 87.7 | 66.5 | 13.6 | 2.8 | .3 | 34.2 |
| GE 75 | .2 | 2.3 | 9.9 | 29.2 | 62.5 | 94.0 | 100.0 | 97.2 | 88.0 | 33.5 | 12.1 | 1.5 | 45.0 |
| GE 70 | 3.0 | 5.3 | 20.5 | 50.8 | 82.1 | 99.0 | | 100.0 | 96.7 | 59.6 | 27.9 | 6.8 | 54.9 |
| GE 65 | 9.2 | 13.7 | 35.8 | 69.5 | 92.6 | 99.8 | | | 99.5 | 79.9 | 42.8 | 14.0 | 63.6 |
| GE 60 | 15.9 | 23.4 | 52.0 | 84.6 | 98.3 | 100.0 | | | 100.0 | 93.1 | 60.3 | 26.8 | 71.6 |
| GE 55 | 26.1 | 36.6 | 68.2 | 93.3 | 99.8 | | | | | 97.3 | 75.4 | 42.5 | 78.6 |
| GE 50 | 43.3 | 53.4 | 82.8 | 97.9 | 100.0 | | | | | 98.8 | 90.8 | 60.3 | 85.8 |
| GE 45 | 60.9 | 66.9 | 92.5 | 100.0 | | | | | | 100.0 | 97.7 | 79.0 | 91.6 |
| GE 40 | 75.4 | 84.0 | 96.9 | | | | | | | | 99.5 | 90.5 | 95.6 |
| GE 35 | 87.1 | 92.4 | 99.3 | | | | | | | | 99.7 | 97.0 | 98.0 |
| GE 30 | 95.3 | 98.5 | 99.5 | | | | | | | | 100.0 | 99.8 | 99.4 |
| GE 25 | 98.0 | 100.0 | 100.0 | | | | | | | | | | 99.8 |
| GE 20 | 100.0 | | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 47.7 | 50.9 | 60.0 | 69.3 | 76.6 | 83.7 | 87.4 | 86.1 | 81.7 | 71.0 | 62.4 | 53.0 | 69.2 |
| SD | 11.323 | 11.310 | 10.980 | 9.276 | 7.686 | 5.827 | 4.672 | 5.248 | 5.971 | 7.958 | 9.765 | 10.230 | 16.179 |
| TOTAL OBS | 402 | 393 | 425 | 390 | 403 | 400 | 434 | 422 | 418 | 403 | 390 | 400 | 4880 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941

STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 69-70, 73-83, 86-

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| GE 80 | | | | | .5 | .3 | .9 | .5 | | | | | .1 |
| GE 75 | | | | | 5.2 | 6.3 | 27.4 | 17.8 | 3.6 | | | | 4.8 |
| GE 70 | | | | .3 | 31.5 | 46.3 | 70.5 | 62.3 | 30.4 | 2.0 | | | 18.7 |
| GE 65 | | | .7 | 4.9 | 75.8 | 90.3 | 87.9 | 63.4 | 10.9 | 2.6 | .8 | | 31.5 |
| GE 60 | 1.2 | 1.0 | 2.8 | 19.0 | 52.9 | 92.5 | 98.4 | 96.0 | 80.6 | 25.3 | 8.5 | 1.5 | 40.7 |
| GE 55 | 3.2 | 4.1 | 11.1 | 16.7 | 71.2 | 98.8 | 100.0 | 99.5 | 91.9 | 47.4 | 19.5 | 5.3 | 49.9 |
| GE 50 | 6.0 | 7.9 | 23.5 | 56.7 | 88.3 | 100.0 | 100.0 | 100.0 | 98.6 | 63.0 | 31.5 | 11.3 | 57.8 |
| GE 45 | 13.7 | 18.5 | 41.4 | 77.4 | 97.3 | | | | 99.5 | 80.1 | 49.0 | 21.5 | 66.8 |
| GE 40 | 23.6 | 26.5 | 60.7 | 90.8 | 100.0 | | | | 100.0 | 91.6 | 67.2 | 36.0 | 75.1 |
| GE 35 | 40.5 | 44.8 | 78.8 | 98.5 | | | | | | 98.0 | 81.5 | 55.0 | 83.4 |
| GE 30 | 48.0 | 52.4 | 85.6 | 99.7 | | | | | | 99.0 | 86.7 | 64.5 | 86.6 |
| GE 25 | 61.7 | 67.9 | 94.1 | 100.0 | | | | | | 99.8 | 93.8 | 76.0 | 91.3 |
| GE 20 | 79.9 | 84.7 | 98.8 | | | | | | | 100.0 | 98.7 | 91.8 | 96.2 |
| GE 15 | 88.8 | 93.6 | 100.0 | | | | | | | | 100.0 | 98.0 | 98.4 |
| GE 10 | 96.0 | 99.0 | | | | | | | | | | 100.0 | 99.6 |
| GE 5 | 99.0 | 100.0 | | | | | | | | | | | 99.9 |
| GE 0 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 32.7 | 34.2 | 42.5 | 51.1 | 59.4 | 67.9 | 71.4 | 70.3 | 65.3 | 52.9 | 44.6 | 36.8 | 52.4 |
| SD | 10.627 | 9.989 | 9.044 | 8.365 | 7.448 | 5.262 | 4.627 | 4.962 | 6.664 | 9.223 | 10.248 | 9.676 | 16.053 |
| TOTAL OBS | 402 | 393 | 425 | 390 | 403 | 400 | 434 | 422 | 418 | 403 | 390 | 400 | 4880 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

| STATION NUMBER: 746941 | | STATION NAME: ELIZABETH CITY NC | | | | | | | | | | | | PERIOD OF RECORD: 69-70, 73-83, 86- | |
|------------------------|-------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------------------|--|
| TEMP (F) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
| GE 90 | | | | | | | | .2 | .2 | | | | | .C | |
| GE 85 | | | | | | | 3.0 | 11.3 | 7.1 | .5 | | | | 1.9 | |
| GE 80 | | | | | .3 | 2.7 | 28.3 | 54.8 | 45.7 | 17.9 | .7 | | | 13.0 | |
| GE 75 | | | | .2 | 3.6 | 21.6 | 62.8 | 88.7 | 80.6 | 49.3 | 5.0 | .3 | | 26.7 | |
| GE 70 | | | .8 | 2.1 | 15.4 | 46.4 | 88.0 | 99.1 | 96.4 | 78.5 | 17.9 | 4.6 | .5 | 38.3 | |
| GE 65 | 1.5 | 2.5 | 8.9 | 33.6 | 70.2 | 98.3 | 100.0 | 99.8 | 94.3 | 39.2 | 14.9 | 3.3 | | 47.9 | |
| GE 60 | 4.7 | 6.6 | 23.8 | 54.1 | 87.6 | 100.0 | | 100.0 | 98.6 | 64.8 | 29.2 | 7.3 | | 57.0 | |
| GE 55 | 10.0 | 12.7 | 36.2 | 74.1 | 97.8 | | | | 100.0 | 84.1 | 47.4 | 16.8 | | 65.4 | |
| GE 50 | 20.4 | 23.7 | 55.1 | 90.3 | 100.0 | | | | | 94.3 | 65.6 | 30.8 | | 73.7 | |
| GE 45 | 31.8 | 39.7 | 74.6 | 98.5 | | | | | | 98.8 | 82.6 | 48.8 | | 81.5 | |
| GE 40 | 55.2 | 60.3 | 91.5 | 100.0 | | | | | | 99.8 | 93.3 | 72.5 | | 89.6 | |
| GE 35 | 71.4 | 79.1 | 97.4 | | | | | | | 100.0 | 99.0 | 88.8 | | 94.7 | |
| GE 30 | 84.3 | 90.3 | 99.1 | | | | | | | | 100.0 | 96.3 | | 97.5 | |
| GE 25 | 94.3 | 98.0 | 99.5 | | | | | | | | | 99.8 | | 99.3 | |
| GE 20 | 98.0 | 100.0 | 100.0 | | | | | | | | | | 100.0 | 99.8 | |
| GE 15 | 99.8 | | | | | | | | | | | | | 100.0 | |
| GE 10 | 100.0 | | | | | | | | | | | | | 100.0 | |
| MEAN | | 40.5 | 42.8 | 51.5 | 60.5 | 68.3 | 76.0 | 79.7 | 78.4 | 73.8 | 62.2 | 53.7 | 45.1 | 61.0 | |
| SD | | 10.470 | 9.998 | 9.382 | 8.244 | 6.929 | 5.059 | 4.130 | 4.552 | 5.583 | 7.726 | 9.300 | 9.284 | 15.794 | |
| TOTAL OBS | | 402 | 393 | 425 | 390 | 403 | 400 | 434 | 422 | 418 | 403 | 390 | 400 | 4880 | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 69-70, 73-87

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 69 | | | | | | 93 | 96 | 91 | 90 | 83 | 75 | 73 | |
| 70 | 76 | 70 | 73 | 86 | 90 | 96 | 92 | 97 | 91 | 84 | 71 | 73 | 97 |
| 73 | 66 | 65 | 86 | 83 | 89 | 90 | 92 | 95 | 91 | 89 | 82 | 73 | 95 |
| 74 | 74 | 71 | 85 | 89 | 91 | 93 | 94 | 92 | 90 | 83 | 83 | 71 | 94 |
| 75 | 74 | 77 | 81 | 85 | 90 | 93 | 93 | 95 | 90 | 86 | 79 | 72 | 95 |
| 76 | 71 | 80 | 82 | 92 | 86 | 90 | 95 | 90 | 92 | 84 | 75 | 65 | 95 |
| 77 | 57 | 80 | 81 | 88 | 89 | 92 | 98 | 96 | 90 | 85 | 79 | 70 | 98 |
| 78 | 65 | 66 | 75 | 84 | 85 | 93 | 94 | 93 | 95 | 83 | 77 | 81 | 95 |
| 79 | 70 | 69 | 81 | 83 | 83 | 90 | 93 | 95 | 89 | 83 | 83 | 71 | 95 |
| 80 | 68 | *74 | 79 | 87 | 89 | 95 | 95 | 102 | 95 | 84 | 77 | 74 | 102 |
| 81 | 64 | 70 | 79 | 89 | 92 | 97 | 95 | 95 | 90 | 86 | 77 | 75 | 97 |
| 82 | 70 | 76 | 81 | 81 | 91 | 89 | 92 | 91 | 89 | 83 | 79 | 77 | 92 |
| 83 | 65 | 68 | 76 | 84 | 87 | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | 74 | 82 | 81 | 94 | *94 | 99 | 92 | 92 | 94 | 83 | *74 | |
| 87 | *64 | 59 | *72 | | | *92 | 99 | *95 | *91 | | | | |
| MEAN | 68.3 | 71.2 | 80.1 | 85.5 | 88.9 | 92.6 | 94.8 | 94.2 | 91.1 | 85.2 | 78.5 | 72.9 | 95.3 |
| S.D. | 5.314 | 6.135 | 3.707 | 3.332 | 3.013 | 2.539 | 2.455 | 3.211 | 1.977 | 3.184 | 3.665 | 3.695 | 1.703 |
| TOTAL OBS | 402 | 393 | 425 | 390 | 403 | 400 | 434 | 422 | 418 | 403 | 390 | 400 | 4880 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 69-70, 73-87

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 69 | | | | | | 61 | 66 | 55 | 47 | 38 | 27 | 25 | |
| 70 | 10 | 17 | 29 | 40 | 44 | 57 | 61 | 62 | 44 | 39 | 22 | 23 | 10 |
| 73 | 13 | 11 | 27 | 36 | 43 | 61 | 62 | 65 | 54 | 36 | 28 | 20 | 11 |
| 74 | 27 | 23 | 29 | 33 | 45 | 60 | 60 | 57 | 51 | 31 | 24 | 25 | 23 |
| 75 | 24 | 25 | 23 | 33 | 47 | 56 | 59 | 60 | 54 | 37 | 30 | 18 | 18 |
| 76 | 9 | 24 | 29 | 34 | 42 | 54 | 62 | 53 | 48 | 29 | 20 | 17 | 9 |
| 77 | 6 | 15 | 29 | 35 | 41 | 53 | 57 | 61 | 54 | 33 | 23 | 18 | 6 |
| 78 | 14 | 17 | 25 | 43 | 42 | 54 | 56 | 62 | 50 | 37 | 30 | 23 | 14 |
| 79 | 16 | 11 | 30 | 38 | 46 | 52 | 55 | 56 | 61 | 38 | 27 | 21 | 11 |
| 80 | 23 | *13 | 20 | 38 | 40 | 52 | 61 | 60 | 49 | 37 | 28 | 18 | *13 |
| 81 | 8 | 18 | 28 | 38 | 46 | 59 | 66 | 58 | 43 | 33 | 26 | 15 | 8 |
| 82 | 9 | 25 | 29 | 31 | 46 | 61 | 60 | 52 | 50 | 37 | 35 | 25 | 9 |
| 83 | 18 | 26 | 33 | 35 | 46 | | | | | | | | |
| 84 | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | |
| 86 | | | | | | *62 | 69 | 57 | 55 | 39 | 31 | *29 | |
| 87 | *19 | 26 | *29 | 39 | 44 | *62 | 63 | *66 | *56 | | | | |
| MEAN | 14.8 | 20.1 | 27.1 | 36.4 | 44.0 | 56.7 | 61.2 | 58.3 | 50.8 | 35.7 | 27.0 | 20.7 | 11.9 |
| Std | 6.943 | 5.515 | 3.774 | 3.330 | 2.236 | 3.626 | 3.945 | 3.794 | 4.885 | 3.172 | 4.082 | 3.499 | 5.131 |
| TOTAL OBS | 902 | 393 | 425 | 390 | 403 | 400 | 434 | 422 | 418 | 403 | 390 | 400 | 4880 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941

STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| GE 100 | | | | | | .5 | .8 | | | | | | .1 |
| GE 95 | | | | | .6 | 5.0 | 6.9 | 2.7 | .5 | .2 | | | 1.3 |
| GE 90 | | | | 1.1 | 5.4 | 22.0 | 36.6 | 27.9 | 7.7 | .5 | | | 8.4 |
| GE 85 | | | | 7.1 | 20.1 | 47.8 | 72.7 | 66.6 | 29.7 | 4.4 | | | 20.5 |
| GE 80 | .2 | .2 | 4.3 | 19.8 | 41.0 | 73.5 | 92.6 | 87.4 | 56.7 | 15.0 | 2.0 | | 32.5 |
| GE 75 | 1.1 | 1.9 | 10.9 | 34.9 | 61.9 | 90.0 | 99.2 | 97.9 | 81.3 | 36.3 | 8.7 | 1.9 | 43.6 |
| GE 70 | 7.4 | 7.8 | 20.6 | 48.3 | 81.3 | 96.7 | 100.0 | 99.5 | 94.8 | 62.3 | 24.3 | 7.1 | 54.0 |
| GE 65 | 16.4 | 16.2 | 30.7 | 67.0 | 93.2 | 99.7 | | 100.0 | 99.2 | 81.9 | 42.7 | 16.8 | 63.5 |
| GE 60 | 30.0 | 29.0 | 47.2 | 84.1 | 98.3 | 99.8 | | | 99.8 | 94.7 | 63.0 | 28.4 | 72.7 |
| GE 55 | 38.9 | 43.5 | 62.4 | 94.0 | 99.5 | 100.0 | | | 100.0 | 98.2 | 78.8 | 41.1 | 79.6 |
| GE 50 | 54.8 | 60.9 | 79.7 | 98.9 | 100.0 | | | | | 99.7 | 91.0 | 60.6 | 87.1 |
| GE 45 | 69.6 | 76.9 | 92.5 | 99.7 | | | | | | 100.0 | 98.0 | 78.2 | 92.9 |
| GE 40 | 83.7 | 89.7 | 98.0 | 100.0 | | | | | | | 99.3 | 87.6 | 96.5 |
| GE 35 | 93.5 | 96.6 | 99.5 | | | | | | | | 100.0 | 96.1 | 98.8 |
| GE 30 | 99.1 | 99.2 | 100.0 | | | | | | | | | 99.0 | 99.8 |
| GE 25 | 100.0 | 99.8 | | | | | | | | | | 100.0 | 100.0 |
| GE 20 | | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | 51.6 | 53.1 | 59.2 | 69.7 | 77.0 | 83.7 | 87.4 | 86.7 | 80.4 | 71.6 | 62.3 | 52.8 | 69.6 |
| SD | 11.674 | 10.839 | 10.996 | 10.041 | 8.198 | 7.057 | 5.270 | 5.249 | 6.536 | 7.651 | 9.171 | 10.759 | 15.668 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941

STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 44-69

| TEMP(F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 75 | | | | | 2.0 | 2.7 | 10.2 | 9.0 | 1.0 | | | | 1.9 |
| GE 70 | | | | | | 25.8 | 63.7 | 56.0 | 19.7 | 1.6 | | | 13.9 |
| GE 65 | | | .2 | 1.0 | 18.0 | 59.3 | 87.1 | 83.4 | 47.0 | 6.6 | .2 | | 25.0 |
| GE 60 | .6 | .3 | 2.0 | 13.0 | 41.0 | 81.3 | 97.9 | 95.0 | 70.2 | 24.5 | 2.8 | .6 | 35.5 |
| GE 55 | 1.5 | 1.3 | 6.1 | 26.3 | 64.7 | 94.3 | 100.0 | 99.4 | 89.0 | 44.7 | 11.0 | 2.9 | 44.8 |
| GE 50 | 5.2 | 4.9 | 13.1 | 45.1 | 86.5 | 99.3 | | 99.8 | 96.2 | 63.5 | 23.8 | 7.1 | 53.2 |
| GE 45 | 11.5 | 13.5 | 26.6 | 64.4 | 96.2 | 100.0 | | 100.0 | 99.7 | 79.0 | 35.0 | 13.9 | 61.5 |
| GE 40 | 24.3 | 27.3 | 47.2 | 84.3 | 99.7 | | | | 100.0 | 91.5 | 54.8 | 24.7 | 71.0 |
| GE 35 | 39.3 | 47.7 | 68.4 | 95.7 | 100.0 | | | | | 97.6 | 76.7 | 45.6 | 61.4 |
| GE 30 | 47.0 | 54.3 | 76.0 | 98.1 | | | | | | 98.1 | 82.2 | 48.1 | 63.6 |
| GE 25 | 60.4 | 68.6 | 88.3 | 99.8 | | | | | | 99.5 | 92.5 | 63.9 | 69.4 |
| GE 20 | 82.9 | 88.2 | 97.8 | 100.0 | | | | | | 100.0 | 98.5 | 84.0 | 95.9 |
| GE 15 | 93.7 | 95.6 | 100.0 | | | | | | | | 99.8 | 94.5 | 98.6 |
| GE 10 | 98.8 | 99.2 | | | | | | | | | 100.0 | 99.2 | 99.8 |
| GE 5 | 100.0 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| MEAN | 32.9 | 34.2 | 39.4 | 48.4 | 57.4 | 65.2 | 69.9 | 69.1 | 63.0 | 52.4 | 41.5 | 33.5 | 50.6 |
| SD | 9.344 | 8.896 | 8.645 | 8.489 | 6.956 | 5.968 | 4.169 | 4.746 | 6.718 | 8.995 | 9.056 | 9.671 | 15.676 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 620 | 620 | 7456 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 746941

STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 44-69

| TEMP (F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| GE 90 | | | | | | .2 | .2 | | | | | | .6 |
| GE 85 | | | | | | 3.0 | 6.1 | 3.4 | .2 | | | | 1.0 |
| GE 80 | | | | .3 | 2.5 | 22.8 | 50.3 | 39.5 | 11.5 | .5 | | | 10.6 |
| GE 75 | | | | 3.2 | 17.1 | 52.3 | 83.4 | 77.9 | 74.7 | 3.9 | | | 22.5 |
| GE 70 | | | 2.0 | 15.6 | 41.3 | 80.3 | 98.4 | 94.5 | 66.3 | 16.0 | 1.7 | | 34.4 |
| GE 65 | 1.2 | 1.3 | 7.5 | 30.6 | 64.5 | 95.8 | 100.0 | 99.7 | 88.0 | 41.1 | 8.0 | 1.8 | 44.7 |
| GE 60 | 6.1 | 6.1 | 15.8 | 46.5 | 86.2 | 99.3 | | 100.0 | 96.8 | 65.2 | 20.5 | 5.6 | 53.8 |
| GE 55 | 12.9 | 14.7 | 27.8 | 66.0 | 97.4 | 100.0 | | | 99.8 | 83.7 | 39.5 | 15.1 | 62.9 |
| GE 50 | 25.6 | 27.7 | 45.6 | 86.0 | 99.4 | | | | 100.0 | 94.8 | 60.7 | 24.8 | 71.9 |
| GE 45 | 41.0 | 45.5 | 67.7 | 97.1 | 100.0 | | | | | 98.9 | 81.0 | 41.9 | 81.0 |
| GE 40 | 57.8 | 66.9 | 87.6 | 99.7 | | | | | | 100.0 | 93.7 | 63.1 | 89.0 |
| GE 35 | 77.6 | 85.2 | 96.3 | 100.0 | | | | | | | 98.7 | 82.9 | 95.0 |
| GE 30 | 91.1 | 94.3 | 99.5 | | | | | | | | 99.8 | 93.5 | 98.2 |
| GE 25 | 98.0 | 99.0 | 100.0 | | | | | | | | 100.0 | 98.4 | 99.6 |
| GE 20 | 100.0 | 99.7 | | | | | | | | | | 100.0 | 100.0 |
| GE 15 | | 100.0 | | | | | | | | | | | 100.0 |
| MEAN | 42.5 | 43.9 | 49.5 | 59.3 | 67.4 | 74.7 | 78.9 | 77.8 | 71.9 | 62.2 | 52.2 | 43.4 | 60.3 |
| SD | 9.956 | 9.255 | 9.238 | 8.673 | 6.914 | 5.920 | 4.130 | 4.504 | 6.052 | 7.487 | 8.457 | 9.621 | 11.336 |
| TOTAL OHS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746741 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| YEAR | WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S- | | | | | | | | | | | | ALL MONTHS |
|-----------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 75 | 78 | 83 | 64 | 90 | 97 | 98 | 96 | 90 | 84 | 77 | 73 | 98 |
| 50 | 78 | 74 | 81 | 68 | 92 | 95 | 94 | 94 | 96 | 84 | 84 | 72 | 96 |
| 51 | 73 | 78 | 73 | 86 | 90 | 97 | 96 | 95 | 93 | 91 | 80 | 77 | 97 |
| 52 | 87 | 70 | 62 | 90 | 89 | 101 | 104 | 92 | 95 | 87 | 79 | 72 | 104 |
| 53 | 74 | 77 | 75 | 84 | 95 | 96 | 97 | 94 | 92 | 85 | 80 | 72 | 97 |
| 54 | 73 | 76 | 84 | 86 | 87 | 98 | 98 | 96 | 98 | 95 | 75 | 72 | 98 |
| 55 | 67 | 76 | 80 | 87 | 90 | 89 | 100 | 97 | 87 | 86 | 63 | 76 | 100 |
| 56 | 77 | 75 | 83 | 86 | 95 | 96 | 95 | 93 | 93 | 80 | 76 | 76 | 96 |
| 57 | 78 | 74 | 76 | 91 | 88 | 98 | 101 | 96 | 91 | 78 | 75 | 71 | 101 |
| 58 | 62 | 73 | 66 | 89 | 86 | 94 | 97 | 94 | 94 | 85 | 80 | 70 | 97 |
| 59 | 69 | 74 | 80 | 85 | 89 | 99 | 92 | 95 | 91 | 87 | 81 | 71 | 99 |
| 60 | 72 | 72 | 81 | 92 | 91 | 94 | 92 | 93 | 92 | 83 | 76 | 68 | 94 |
| 61 | 64 | 73 | 84 | 89 | 84 | 92 | 94 | 94 | 93 | 84 | 80 | 71 | 94 |
| 62 | 70 | 82 | 78 | 86 | 95 | 97 | 92 | 94 | 92 | 87 | 72 | 63 | 95 |
| 63 | 73 | 69 | 80 | 91 | 95 | 97 | 93 | 92 | 85 | 81 | 73 | 65 | 97 |
| 64 | 66 | 66 | 80 | 86 | 93 | 98 | 93 | 92 | 89 | 79 | 79 | 73 | 98 |
| 65 | 73 | 74 | 76 | 86 | 91 | 91 | 92 | 93 | 93 | 79 | 76 | 72 | 93 |
| 66 | 74 | 69 | 82 | 83 | 85 | 92 | 96 | 94 | 90 | 87 | 77 | 75 | 96 |
| 67 | 73 | 72 | 82 | 89 | 93 | 92 | 90 | 89 | 83 | 86 | 73 | 77 | 93 |
| 68 | 65 | 65 | 84 | 81 | 89 | 95 | 97 | 97 | 85 | 86 | 80 | 67 | 97 |
| 69 | 64 | 60 | 71 | 81 | 94 | | | | | | | | |
| MEAN | 71.3 | 72.7 | 79.1 | 86.7 | 90.5 | 95.1 | 95.6 | 94.7 | 91.1 | 84.7 | 77.8 | 71.7 | 97.0 |
| S.D. | 4.766 | 4.981 | 4.742 | 3.104 | 3.371 | 3.236 | 3.546 | 1.947 | 3.810 | 4.118 | 3.318 | 3.760 | 2.695 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 746941 STATION NAME: ELIZABETH CITY NC

PERIOD OF RECORD: 49-69

| YEAR | WHOLE DEGREES FAHRENHEIT | | | | | | | | | | | | ALL MONTHS |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 49 | 27 | 26 | 25 | 36 | 47 | 58 | 66 | 66 | 47 | 44 | 26 | 24 | 24 |
| 50 | 27 | 26 | 20 | 29 | 41 | 54 | 62 | 55 | 46 | 43 | 19 | 17 | 17 |
| 51 | 27 | 10 | 27 | 36 | 42 | 52 | 60 | 57 | 42 | 41 | 23 | 15 | 10 |
| 52 | 15 | 27 | 27 | 37 | 46 | 56 | 59 | 51 | 48 | 27 | 26 | 16 | 15 |
| 53 | 25 | 26 | 28 | 33 | 47 | 48 | 62 | 56 | 52 | 41 | 29 | 16 | 16 |
| 54 | 16 | 20 | 25 | 33 | 43 | 53 | 58 | 57 | 50 | 37 | 26 | 15 | 15 |
| 55 | 18 | 15 | 23 | 31 | 43 | 51 | 58 | 59 | 58 | 37 | 27 | 18 | 15 |
| 56 | 21 | 24 | 25 | 32 | 43 | 55 | 57 | 59 | 47 | 46 | 26 | 27 | 21 |
| 57 | 14 | 25 | 31 | 31 | 42 | 60 | 58 | 54 | 52 | 31 | 28 | 16 | 14 |
| 58 | 18 | 10 | 29 | 34 | 50 | 48 | 64 | 65 | 49 | 37 | 27 | 9 | 9 |
| 59 | 13 | 19 | 27 | 36 | 46 | 51 | 64 | 61 | 46 | 39 | 25 | 29 | 13 |
| 60 | 20 | 25 | 20 | 32 | 46 | 51 | 61 | 67 | 54 | 32 | 31 | 14 | 14 |
| 61 | 13 | 20 | 30 | 32 | 42 | 50 | 60 | 59 | 51 | 38 | 27 | 21 | 13 |
| 62 | 12 | 19 | 23 | 32 | 48 | 56 | 57 | 58 | 48 | 26 | 29 | 10 | 10 |
| 63 | 16 | 16 | 30 | 35 | 42 | 54 | 58 | 56 | 49 | 35 | 32 | 13 | 13 |
| 64 | 19 | 26 | 27 | 30 | 45 | 54 | 62 | 58 | 49 | 36 | 27 | 24 | 19 |
| 65 | 15 | 14 | 27 | 33 | 47 | 52 | 59 | 49 | 53 | 28 | 31 | 23 | 14 |
| 66 | 13 | 20 | 27 | 31 | 37 | 48 | 58 | 60 | 47 | 32 | 27 | 23 | 13 |
| 67 | 25 | 14 | 23 | 32 | 43 | 49 | 59 | 62 | 44 | 36 | 23 | 22 | 14 |
| 68 | 18 | 18 | 24 | 38 | 39 | 54 | 63 | 55 | 53 | 31 | 28 | 21 | 18 |
| 69 | 19 | 23 | 24 | 37 | 43 | | | | | | | | |
| MEAN | 18.3 | 19.9 | 25.8 | 33.3 | 43.9 | 52.7 | 60.3 | 58.2 | 49.3 | 38.9 | 26.5 | 18.7 | 14.9 |
| S.D. | 4.639 | 5.247 | 3.743 | 2.536 | 3.129 | 3.342 | 2.613 | 4.584 | 3.740 | 5.650 | 3.220 | 5.461 | 3.646 |
| TOTAL OBS | 651 | 593 | 651 | 630 | 651 | 600 | 620 | 620 | 600 | 620 | 600 | 620 | 7456 |

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

END

DATE

~~FILMED~~

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